

Eaton® Master Modbus®

Register Map

164201391 Rev F

This document describes the format of the data contained in the Modbus messages. Not all registers apply to all UPS modules. Consult the individual UPS register profiles for specific lists.

Read Input Status

Modbus Function Code 02

Input registers start at 10000. NOTE Registers 1–16 are mutually exclusive.

| | | UPS Status |
|----------|---------------------|--|
| Register | Name | Description |
| 0 | Unused | Reserved for Jbus compatibility. |
| 1 | On Battery | TRUE if the UPS is on battery. |
| 2 | Reserved | Reserved |
| 3 | Reserved | Reserved |
| 4 | ESS/High Efficiency | TRUE if a supported UPS model is in ESS/High Efficiency mode (refer to your UPS documentation for supported models). |
| 5 | Reserved | Reserved |
| 6 | Reserved | Reserved |
| 7 | Reserved | Reserved |
| 8 | Reserved | Reserved |
| 9 | Reserved | Reserved |
| 10 | On Bypass | TRUE if the UPS is on bypass. |
| 11 | System Normal | TRUE if the UPS is operating normally. |
| 12 | Reserved | Reserved |
| 13 | Reserved | Reserved |
| 14 | Reserved | Reserved |
| 15 | Reserved | Reserved |
| 16 | UPS Off | TRUE if the UPS is no longer supplying power to the load. |
| 17 | Unused | _ |
| 18 | Unused | _ |
| 19 | Unused | |

| | | UPS Status |
|----------|-------------------------------------|--|
| Register | Name | Description |
| 20 | Unused | |
| 21 | Unused | |
| 22 | Unused | |
| 23 | Unused | |
| 24 | Unused | _ |
| 25 | Unused | _ |
| 26 | Unused | |
| 27 | Unused | _ |
| 28 | Unused | _ |
| 29 | Unused | _ |
| 30 | Unused | _ |
| 31 | Unused | |
| 32 | Static Position Switch | TRUE if the static switch is on. |
| 33 | Critical Buss Breaker | TRUE if the critical bus breaker is closed. |
| 34 | Bypass Breaker | TRUE if the bypass breaker is closed. |
| 35 | Backfeed Breaker | TRUE if the backfeed breaker is closed. |
| 36 | Bypass Input Power | TRUE if the bypass input power is available. |
| 37 | Maintenance Isolation Breaker (MIB) | TRUE if the MIB is closed. |
| 38 | Maintenance Bypass Breaker (MBB) | TRUE if the MBB is closed. |
| 39 | Maintenance Bypass Input (MBP) | TRUE if the MBP has input power. |
| 40 | SBM Normal | TRUE if the system is normal. |
| 41 | SBM On Battery | TRUE if the modules are on battery. |
| 42 | SBM On Bypass | TRUE if the critical load is on bypass. |
| 43 | SBM Notice | TRUE if minor alarm advisory. |
| 44 | SBM Alarm | TRUE if major alarm, shutdown imminent. |
| 45 | SBM On Standby | TRUE if on standby. |
| 46 | Unused | |
| 47 | Unused | |
| 48 | UPM #1 Normal LED | TRUE if system normal and inverter on line. |
| 49 | UPM #1 Battery LED | TRUE if the modules are on battery in single mode. |
| 50 | UPM #1 Bypass LED | TRUE if the critical load is on bypass (single). |
| 51 | UPM #1 Notice LED | TRUE if minor alarm (single mode). |
| 52 | UPM #1 Alarm LED | TRUE if major alarm, shutdown imminent. |
| 53 | UPM #1 Standby LED | TRUE if on standby. |
| 54 | UPM #1 Present | TRUE if present. |
| | | |

| 56 UP 57 UP 58 UP | nused PM #2 Normal LED PM #2 Battery LED PM #2 Bypass LED | Description TRUE if system normal and inverter on line. TRUE if the modules are on battery in single mode. |
|-------------------------|---|--|
| 56 UP 57 UP 58 UP | PM #2 Normal LED PM #2 Battery LED PM #2 Bypass LED | TRUE if the modules are on battery in single mode. |
| 57 UP | PM #2 Battery LED PM #2 Bypass LED | TRUE if the modules are on battery in single mode. |
| 58 UP | PM #2 Bypass LED | |
| | | |
| 59 UP | PM #2 Notice LED | TRUE if the critical load is on bypass (single). |
| | TWT #2 NOTICE LED | TRUE if minor alarm (single mode). |
| 60 UP | PM #2 Alarm LED | TRUE if major alarm, shutdown imminent. |
| 61 UP | PM #2 Standby LED | TRUE if on standby. |
| 62 UP | PM #2 Present | TRUE if present. |
| 63 Un | nused | _ |
| 64 UP | PM #3 Normal LED | TRUE if system normal and inverter on line. |
| 65 UP | PM #3 Battery LED | TRUE if the modules are on battery in single mode. |
| 66 UP | PM #3 Bypass LED | TRUE if the critical load is on bypass (single). |
| 67 UP | PM #3 Notice LED | TRUE if minor alarm (single mode). |
| 68 UP | PM #3 Alarm LED | TRUE if major alarm, shutdown imminent. |
| 69 UP | PM #3 Standby LED | TRUE if on standby. |
| 70 UP | PM #3 Present | TRUE if present. |
| 71 Un | nused | _ |
| 72 UP | PM #4 Normal LED | TRUE if system normal and inverter on line. |
| 73 UP | PM #4 Battery LED | TRUE if the modules are on battery in single mode. |
| 74 UP | PM #4 Bypass LED | TRUE if the critical load is on bypass (single). |
| 75 UP | PM #4 Notice LED | TRUE if minor alarm (single mode). |
| 76 UP | PM #4 Alarm LED | TRUE if major alarm, shutdown imminent. |
| 77 UP | PM #4 Standby LED | TRUE if on standby. |
| 78 UP | PM #4 Present | TRUE if present. |
| 79 Un | nused | _ |
| 80 UP | PM #5 Normal LED | TRUE if system normal and inverter on line. |
| 81 UP | PM #5 Battery LED | TRUE if the modules are on battery in single mode. |
| 82 UP | PM #5 Bypass LED | TRUE if the critical load is on bypass (single). |
| 83 UP | PM #5 Notice LED | TRUE if minor alarm (single mode). |
| 84 UP | PM #5 Alarm LED | TRUE if major alarm, shutdown imminent. |
| 85 UP | PM #5 Standby LED | TRUE if on standby. |
| 86 UP | PM #5 Present | TRUE if present. |
| 87 Un | nused | _ |
| 88 UP | PM #6 Normal LED | TRUE if system normal and inverter on line. |
| 89 UP | PM #6 Battery LED | TRUE if the modules are on battery in single mode. |

| | | UPS Status |
|----------|------------------------------------|---|
| Register | Name | Description |
| 90 | UPM #6 Bypass LED | TRUE if the critical load is on bypass (single). |
| 91 | UPM #6 Notice LED | TRUE if minor alarm (single mode). |
| 92 | UPM #6 Alarm LED | TRUE if major alarm, shutdown imminent. |
| 93 | UPM #6 Standby LED | TRUE if on standby. |
| 94 | UPM #6 Present | TRUE if present. |
| 95 | Unused | _ |
| 96 | UPM #7 Normal LED | TRUE if system normal and inverter on line. |
| 97 | UPM #7 Battery LED | TRUE if the modules are on battery in single mode. |
| 98 | UPM #7 Bypass LED | TRUE if the critical load is on bypass (single). |
| 99 | UPM #7 Notice LED | TRUE if minor alarm (single mode). |
| 100 | UPM #7 Alarm LED | TRUE if major alarm, shutdown imminent. |
| 101 | UPM #7 Standby LED | TRUE if on standby. |
| 102 | UPM #7 Present | TRUE if present. |
| 103 | Unused | _ |
| 104 | UPM #8 Normal LED | TRUE if system normal and inverter on line. |
| 105 | UPM #8 Battery LED | TRUE if the modules are on battery in single mode. |
| 106 | UPM #8 Bypass LED | TRUE if the critical load is on bypass (single). |
| 107 | UPM #8 Notice LED | TRUE if minor alarm (single mode). |
| 108 | UPM #8 Alarm LED | TRUE if major alarm, shutdown imminent. |
| 109 | UPM #8 Standby LED | TRUE if on standby. |
| 110 | UPM #8 Present | TRUE if present. |
| 111 | Unused | _ |
| 112 | Rectifier Status | TRUE if the rectifier is on. |
| 113 | Rectifier Input Status | TRUE if rectifier input is present. |
| 114 | Bypass Status | TRUE if bypass is on. |
| 115 | Bypass Input Status | TRUE if bypass voltage is out of limits. |
| 116 | Input Circuit Breaker Status (CB1) | TRUE if CB1 is closed. |
| 117 | Battery Disconnect Status | TRUE if the battery disconnect is closed. |
| 118 | Inverter Disconnect Status | TRUE if the UPS is on line and inverter is supplying power. |
| 119 | Inverter Status | TRUE if the inverter is on. |
| 120 | UPM Normal | TRUE if UPM normal. |
| 121 | UPM On Battery | TRUE if UPM on battery. |
| 122 | UPM Bypass (Off Line) | TRUE if UPM is offline. |
| 123 | UPM Notice | TRUE if UPM warning advisory. |
| 124 | UPM Alarm | TRUE if UPM major alarm. |
| | | |

| | | UPS Status |
|----------|----------------------------------|--|
| Register | Name | Description |
| 125 | UPM Standby | TRUE if UPM on standby. |
| 126 | Unused | _ |
| 127 | Unused | _ |
| 128 | MOB Closed | TRUE if MOB closed , Open = 0 |
| 129 | System Redundant | Redundant = 1 , Not Redundant = 0 |
| 130 | Unused | - |
| 131 | Unused | _ |
| 132 | Reserved | Reserved |
| 133 | Reserved | Reserved |
| 134 | Reserved | Reserved |
| 135 | Unused | - |
| 136 | Unused | - |
| 137 | Unused | - |
| 138 | Unused | - |
| 139 | Unused | _ |
| 140 | Unused | _ |
| 141 | Unused | - |
| 142 | Unused | - |
| 143 | Unused | - |
| 144 | Inverter AC over voltage | TRUE if the inverter output voltage has exceeded the upper voltage limit. |
| 145 | Inverter AC under voltage | TRUE if the inverter output voltage is less than the lower voltage limit. |
| 146 | Inverter under or over frequency | TRUE if the inverter output frequency is outside the upper or lower frequency limit. |
| 147 | Bypass AC over voltage | TRUE if the bypass input voltage has exceeded the upper voltage limit. |
| 148 | Bypass AC under voltage | TRUE if the bypass input voltage is less than the lower voltage limit. |
| 149 | Bypass under or over frequency | TRUE if the bypass input frequency is outside the upper or lower frequency limit. |
| 150 | Input AC over voltage | TRUE if the input (Utility) voltage has exceeded the upper voltage limit. |
| 151 | Input AC under voltage | TRUE if the input (Utility) voltage is less than the lower voltage limit. |
| 152 | Input under or over frequency | TRUE if the input (Utility) frequency is outside the upper or lower frequency limit. |
| 153 | Output AC over voltage | TRUE if the output voltage has exceeded the upper voltage limit. |
| 154 | Output AC under voltage | TRUE if the output voltage is less than the lower voltage limit. |
| 155 | Output under or over frequency | TRUE if the output frequency is outside the upper or lower frequency limit. |
| 156 | Remote emergency power off | TRUE if the UPS has shut down due to the activation of the remote EPO signal. |
| 157 | Remote go to Bypass | TRUE if the UPS has transferred to bypass. |
| 158 | Building Alarm 6 | TRUE if a dry contact closure has been detected on the building alarm 6 input. |
| 159 | Building Alarm 5 | TRUE if a dry contact closure has been detected on the building alarm 5 input. |
| | | |

| | | UPS Status |
|----------|---------------------------------|---|
| Register | Name | Description |
| 160 | Building Alarm 4 | TRUE if a dry contact closure has been detected on the building alarm 4 input. |
| 161 | Building Alarm 3 | TRUE if a dry contact closure has been detected on the building alarm 3 input. |
| 162 | Building Alarm 2 | TRUE if a dry contact closure has been detected on the building alarm 2 input. |
| 163 | Building Alarm 1 | TRUE if a dry contact closure has been detected on the building alarm 1 input. |
| 164 | Static switch over temperature | TRUE if the static switch operating temperature has been exceeded. |
| 165 | Charger over temperature | TRUE if the battery charger operating temperature has been exceeded. |
| 166 | Charger logic power fail | TRUE if the battery charger power supply to its digital logic circuitry has failed. |
| 167 | Charger over voltage or current | TRUE if the battery charger output has exceeded its voltage or current limit. |
| 168 | Inverter over temperature | TRUE if the inverter temperature has exceeded the upper temperature limit. |
| 169 | Output overload | TRUE if the output current limit has been exceeded. |
| 170 | Rectifier input over current | TRUE if the rectifier input current has exceeded the upper current limit. |
| 171 | Inverter output over current | TRUE if the inverter output current has exceeded the upper current limit. |
| 172 | DC link over voltage | TRUE if the DC link voltage has exceeded the upper voltage limit. |
| 173 | DC link under voltage | TRUE if the DC link voltage is less than the lower voltage limit. |
| 174 | Rectifier failed | TRUE if the rectifier has failed. |
| 175 | Inverter fault | TRUE if the inverter has failed. |
| 176 | Battery contactor fail | TRUE if the battery contactor has failed. |
| 177 | Bypass breaker fail | TRUE if the bypass breaker has failed. |
| 178 | Charger failure | TRUE if the battery charger has failed. |
| 179 | Reserved | Reserved |
| 180 | Static switch failure | TRUE if the static switch has failed. |
| 181 | Reserved | Reserved |
| 182 | Reserved | Reserved |
| 183 | Reserved | Reserved |
| 184 | Reserved | Reserved |
| 185 | Reserved | Reserved |
| 186 | Reserved | Reserved |
| 187 | Reserved | Reserved |
| 188 | Reserved | Reserved |
| 189 | Reserved | Reserved |
| 190 | Reserved | Reserved |
| 191 | Battery current limit | TRUE if the battery is operating at maximum current capability. |
| 192 | Reserved | Reserved |
| 193 | Reserved | Reserved |
| 194 | Output current over 100% | TRUE if the system critical bus has exceeded 100% of its current output rating. |
| | | |

| Register Name | | | UPS Status |
|--|----------|-----------------------------|--|
| Reserved | Register | Name | Description |
| Reserved | 195 | Battery ground fault | TRUE if a leakage path exists between a battery connection and ground. |
| Reserved Reserved Reserved | 196 | Reserved | Reserved |
| TRUE if the UPS has entered a state where it may abruptly stop operating without further notice. TRUE if the battery voltage is low. TRUE if the utility input power is not within prodetermined limits. TRUE if the utility input power is not within prodetermined limits. TRUE if the utility input power is not within prodetermined limits. TRUE if the utility input power is not within prodetermined limits. TRUE if the utility input is not present. TRUE if the utility input is not present. TRUE if the battery charger is on. Reserved TRUE if the input voltage is out of range. TRUE if the input voltage is out of range. TRUE if the battery voltage has exceeded a predetermined limit. Reserved | 197 | Reserved | Reserved |
| TRUE if the battery voltage is low. 201 Utility fail TRUE if the utility input power is not within predetermined limits. 202 Output short circuit TRUE if the utility input power is not within predetermined limits. 203 Utility not present TRUE if the utility input is not present. TRUE if the utility input is not present. 204 Full time charging TRUE if the battery charger is on. 205 Reserved 11 Input line voltage loss TRUE if the battery obtage is out of range. 211 Input line voltage loss TRUE if the input voltage is out of range. 212 Battery DC over voltage TRUE if the battery voltage has exceeded a predetermined limit. Reserved 213 Reserved | 198 | Reserved | Reserved |
| 201 Utility fail TRUE if the utility input power is not within predetermined limits. 202 Output short circuit TRUE if the UPS has detected an abnormally low impedance on its output. 203 Utility not present TRUE if the utility input is not present. 204 Full time charging TRUE if the battery charger is on. 205 Reserved Reserved Reserved 206 Reserved Reserved Reserved 207 Reserved Reserved 208 Reserved Reserved 209 Reserved Reserved 210 Reserved Reserved 211 Input line voltage loss TRUE if the input voltage is out of range. 212 Battary DC over voltage TRUE if the battery voltage has exceeded a predetermined limit. 213 Reserved Reserved Reserved 214 Power supply failure TRUE if the logic power supply has failed. 215 Reserved Reserved Reserved 216 Reserved Reserved Reserved 217 Reserved Reserved Reserved 218 Reserved Reserved Reserved 219 Rectifier current over 125% TRUE if the rectifier/charger has exceeded 125% of its rating. 220 Reserved Reserved Reserved 221 Reserved Res | 199 | Shutdown imminent | TRUE if the UPS has entered a state where it may abruptly stop operating without further notice. |
| 202 Output short circuit TRUE if the UPS has detected an abnormally low impedance on its output. 203 Utility not present TRUE if the utility input is not present. 204 Full time charging TRUE if the battery charger is on. 205 Reserved 10 Reserved Reserved Reserved 21 Input line voltage loss TRUE if the input voltage is out of range. 21 Battery DC over voltage TRUE if the battery voltage has exceeded a predetermined limit. 213 Reserved Res | 200 | Battery low | TRUE if the battery voltage is low. |
| TRUE if the utility input is not present. TRUE if the battery charger is on. TRUE if the input voltage is out of range. TRUE if the battery voltage is out of range. TRUE if the battery voltage has exceeded a predetermined limit. TRUE if the battery voltage has exceeded a predetermined limit. TRUE if the logic power supply has failed. TRUE if the rectifier/charger has exceeded 125% of its rating. TRUE if the rectifier/charger has exceeded 125% of its rating. TRUE if the rectifier/charger has exceeded 125% of its rating. TRUE if the rectifier/charger has exceeded 125% of its rating. TRUE if the rectifier/charger has exceeded 125% of its rating. TRUE if the rectifier/charger has exceeded 125% of its rating. TRUE if the rectifier/charger has exceeded 125% of its rating. TRUE if the rectifier/charger has exceeded 125% of its rating. TRUE if the rectifier/charger has exceeded 125% of its rating. TRUE if the rectifier/charger has exceeded 125% of its rating. TRUE if the rectifier/charger has exceeded 125% of its rating. TRUE if the rectifier/charger has exceeded 125% of its rating. TRUE if the rectifier/charger has exceeded 125% of its rating. TRUE if the rectifier/charger has exceeded 125% of its rating. TRUE if the rectifier/charger has exceeded 125% of its rating. | 201 | Utility fail | TRUE if the utility input power is not within predetermined limits. |
| TRUE if the battery charger is on. 205 Reserved Reserved 206 Reserved Reserved 207 Reserved Reserved 208 Reserved Reserved 209 Reserved Reserved 210 Reserved Reserved 211 Input line voltage loss TRUE if the languary voltage is out of range. 212 Battery DC over voltage TRUE if the battery voltage has exceeded a predetermined limit. 213 Reserved Reserved 214 Power supply failure TRUE if the logic power supply has failed. 215 Reserved Reserved 216 Reserved Reserved 217 Reserved Reserved 218 Reserved Reserved Reserved 219 Rectifier current over 125% TRUE if the rectifier/charger has exceeded 125% of its rating. 220 Reserved Reserved Reserved 221 Reserved Reserved Reserved Reserved 222 Reserved Reserv | 202 | Output short circuit | TRUE if the UPS has detected an abnormally low impedance on its output. |
| 205 Reserved Reserved 206 Reserved Reserved 207 Reserved Reserved 208 Reserved Reserved 209 Reserved Reserved 210 Reserved Reserved 211 Input line voltage loss TRUE if the input voltage is out of range. 212 Battery DC over voltage TRUE if the battery voltage has exceeded a predetermined limit. 213 Reserved Reserved 214 Power supply failure TRUE if the logic power supply has failed. 215 Reserved Reserved 216 Reserved Reserved 217 Reserved Reserved 218 Reserved Reserved 219 Rectifier current over 125% TRUE if the rectifier/charger has exceeded 125% of its rating. 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 229 Reserved Reserved 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 229 Reserved Reserved 220 Reserved Reserved 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 229 Reserved Reserved 220 Reserved Reserved 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved | 203 | Utility not present | TRUE if the utility input is not present. |
| 206 Reserved Reserved 207 Reserved Reserved 208 Reserved Reserved 209 Reserved Reserved 210 Reserved Reserved 211 Input line voltage loss TRUE if the input voltage is out of range. 212 Battery DC over voltage TRUE if the battery voltage has exceeded a predetermined limit. 213 Reserved Reserved 214 Power supply failure TRUE if the logic power supply has failed. 215 Reserved Reserved 216 Reserved Reserved 217 Reserved Reserved 218 Reserved Reserved 219 Rectifier current over 125% TRUE if the rectifier/charger has exceeded 125% of its rating. 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 229 Reserved Reserved 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 229 Reserved Reserved 220 Reserved Reserved 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 229 Reserved Reserved 220 Reserved Reserved 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 229 Reserved Reserved 220 Reserved Reserved 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved | 204 | Full time charging | TRUE if the battery charger is on. |
| 207 Reserved | 205 | Reserved | Reserved |
| Reserved | 206 | Reserved | Reserved |
| 209 Reserved Reserved 210 Reserved Reserved 211 Input line voltage loss TRUE if the input voltage is out of range. 212 Battery DC over voltage TRUE if the battery voltage has exceeded a predetermined limit. 213 Reserved Reserved 214 Power supply failure TRUE if the logic power supply has failed. 215 Reserved Reserved 216 Reserved Reserved 217 Reserved Reserved 218 Reserved Reserved 219 Rectifier current over 125% TRUE if the rectifier/charger has exceeded 125% of its rating. 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 229 Reserved Reserved 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 229 Reserved Reserved 220 Reserved Reserved 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 228 Reserved Reserved 229 Reserved Reserved 220 Reserved Reserved 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved | 207 | Reserved | Reserved |
| 210 Reserved Reserved 211 Input line voltage loss TRUE if the input voltage is out of range. 212 Battery DC over voltage TRUE if the battery voltage has exceeded a predetermined limit. 213 Reserved Reserved 214 Power supply failure TRUE if the logic power supply has failed. 215 Reserved Reserved 216 Reserved Reserved 217 Reserved Reserved 218 Reserved Reserved 219 Rectifier current over 125% TRUE if the rectifier/charger has exceeded 125% of its rating. 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 229 Reserved Reserved 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 229 Reserved Reserved 220 Reserved Reserved 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 228 Reserved Reserved | 208 | Reserved | Reserved |
| 211 Input line voltage loss TRUE if the input voltage is out of range. 212 Battery DC over voltage TRUE if the battery voltage has exceeded a predetermined limit. 213 Reserved Reserved 214 Power supply failure TRUE if the logic power supply has failed. 215 Reserved Reserved Reserved Reserved 216 Reserved Reserved Reserved 217 Reserved Reserved Reserved Reserved 218 Reserved | 209 | Reserved | Reserved |
| 212 Battery DC over voltage TRUE if the battery voltage has exceeded a predetermined limit. 213 Reserved Reserved 214 Power supply failure TRUE if the logic power supply has failed. 215 Reserved Reserved 216 Reserved Reserved 217 Reserved Reserved 218 Reserved Reserved 219 Rectifier current over 125% TRUE if the rectifier/charger has exceeded 125% of its rating. 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved Reserved 225 Reserved | 210 | Reserved | Reserved |
| 213 Reserved 214 Power supply failure TRUE if the logic power supply has failed. 215 Reserved | 211 | Input line voltage loss | TRUE if the input voltage is out of range. |
| TRUE if the logic power supply has failed. 215 Reserved | 212 | Battery DC over voltage | TRUE if the battery voltage has exceeded a predetermined limit. |
| 215 Reserved Reserved 216 Reserved Reserved 217 Reserved Reserved 218 Reserved Reserved 219 Rectifier current over 125% TRUE if the rectifier/charger has exceeded 125% of its rating. 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 229 Reserved Reserved 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 228 Reserved Reserved | 213 | Reserved | Reserved |
| 216 Reserved Reserved 217 Reserved Reserved 218 Reserved Reserved 219 Rectifier current over 125% TRUE if the rectifier/charger has exceeded 125% of its rating. 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved | 214 | Power supply failure | TRUE if the logic power supply has failed. |
| 217 Reserved 218 Reserved 219 Rectifier current over 125% TRUE if the rectifier/charger has exceeded 125% of its rating. 220 Reserved | 215 | Reserved | Reserved |
| 218 Reserved 219 Rectifier current over 125% TRUE if the rectifier/charger has exceeded 125% of its rating. 220 Reserved Reserved 221 Reserved Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved | 216 | Reserved | Reserved |
| 219 Rectifier current over 125% TRUE if the rectifier/charger has exceeded 125% of its rating. 220 Reserved Reserved 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved | 217 | Reserved | Reserved |
| 220 Reserved 221 Reserved 222 Reserved 222 Reserved 223 Reserved 224 Reserved 225 Reserved 226 Reserved 227 Reserved 227 Reserved 228 Reserved 227 Reserved 228 Reserved 228 Reserved 228 Reserved | 218 | Reserved | Reserved |
| 221 Reserved Reserved 222 Reserved Reserved 223 Reserved Reserved 224 Reserved Reserved 225 Reserved Reserved 226 Reserved Reserved 227 Reserved Reserved 228 Reserved Reserved | 219 | Rectifier current over 125% | TRUE if the rectifier/charger has exceeded 125% of its rating. |
| 222Reserved223Reserved224Reserved225Reserved226Reserved227Reserved228ReservedReservedReserved | 220 | Reserved | Reserved |
| 223Reserved224Reserved225Reserved226Reserved227Reserved228ReservedReservedReserved | 221 | Reserved | Reserved |
| 224ReservedReserved225ReservedReserved226ReservedReserved227ReservedReserved228ReservedReserved | 222 | Reserved | Reserved |
| 225ReservedReserved226ReservedReserved227ReservedReserved228ReservedReserved | 223 | Reserved | Reserved |
| 226ReservedReserved227ReservedReserved228ReservedReserved | 224 | Reserved | Reserved |
| 227 Reserved Reserved 228 Reserved Reserved | 225 | Reserved | Reserved |
| 228 Reserved Reserved | 226 | Reserved | Reserved |
| | 227 | Reserved | Reserved |
| 229 Network not responding TRUE if the network communications has failed. | 228 | Reserved | Reserved |
| | 229 | Network not responding | TRUE if the network communications has failed. |

| Register Name Description 230 Reserved Reserved 231 Reserved Reserved 232 Reserved Reserved 233 Output DC over voltage TRUE if the output DC has exceeded the over voltage limit. 234 Reserved Reserved Reserved 235 Reserved Reserved Reserved 236 Reserved Reserved Reserved 237 Reserved Reserved Reserved 238 Reserved Reserved Reserved 239 Reserved Reserved Reserved 240 Reserved Reserved Reserved 241 Emergancy shurdown command TRUE if an emergency power-off (EPO) command was issued. 242 Reserved Reserved Reserved 243 Reserved Reserved Reserved 244 Reserved Reserved Reserved 245 Reserved Reserved Reserved 246 Reserved Reserved Reserved 247 Reserved Reserved Reserved 248 Reserved Reserved Reserved 249 Reserved Reserved Reserved 240 Reserved Reserved Reserved 241 Reserved Reserved Reserved 242 Reserved Reserved Reserved 243 Reserved Reserved Reserved 244 Reserved Reserved Reserved 245 Reserved Reserved Reserved 246 Reserved Reserved Reserved 247 Reserved Reserved Reserved 248 Reserved Reserved Reserved 249 Bypass not available TRUE if the bypass input voltage is not available for transfer. 250 Rectifier breaker open TRUE if the battery contactor/breaker is open. 251 Battery contactor open TRUE if the bytess input voltage is not available for transfer. 252 Reserved Reserved Reserved 253 Reserved Reserved Reserved 254 Reserved Reserved 255 Reserved Reserved 256 Reserved Reserved 257 Reserved Reserved 258 Reserved Reserved 259 Reserved Reserved 259 Reserved Reserved 250 Reserved Reserved 250 Reserved Reserved 251 Reserved Reserved 252 Reserved Reserved 253 Reserved Reserved 254 Reserved Reserved 255 Reserved Reserved 256 Reserved Reserved 257 Reserved Reserved 258 Reserved Reserved 259 Reserved Reserved | | | UPS Status |
|--|----------|----------------------------|---|
| 231 Reserved Reserved 232 Reserved Reserved 233 Output DC over voltage TRUE if the output DC has exceeded the over voltage limit. 234 Reserved Reserved 235 Reserved Reserved 236 Reserved Reserved 237 Reserved Reserved 238 Reserved Reserved 239 Reserved Reserved 240 Reserved Reserved 241 Emergency shutdown command TRUE if an emergency power-off (EPO) command was issued. 242 Reserved Reserved 243 Reserved Reserved 244 Reserved Reserved 245 Reserved Reserved 246 Reserved Reserved 247 Reserved Reserved 248 Reserved Reserved 249 Reserved Reserved 240 Reserved Reserved 241 Emergency shutdown command Reserved 242 Reserved Reserved 243 Reserved Reserved 244 Reserved Reserved 245 Reserved Reserved 246 Reserved Reserved 247 Reserved Reserved 248 Reserved Reserved 249 Bypass not available TRUE if the bypass input voltage is not available for transfer. 250 Rectifier breaker open TRUE if the bettery contactor/breaker is open. 251 Battery contactor open TRUE if the battery contactor/breaker is open. 252 Inverter contactor open TRUE if the bittery contactor/breaker is open. 253 Bypass breaker open TRUE if the bittery contactor/breaker is open. 254 Reserved Rese | Register | Name | Description |
| 232 Reserved | 230 | Reserved | Reserved |
| TRUE if the output DC has exceeded the over voltage limit. 234 Reserved Reserved 235 Reserved Reserved 236 Reserved Reserved 237 Reserved Reserved 238 Reserved Reserved 239 Reserved Reserved 240 Reserved Reserved 241 Emergency shutdown command TRUE if an emergency power-off (EPO) command was issued. 242 Reserved Reserved 243 Reserved Reserved 244 Reserved Reserved 245 Reserved Reserved 246 Reserved Reserved 247 Reserved Reserved 248 Reserved Reserved Reserved 249 Reserved Reserved Reserved 240 Reserved Reserved Reserved 241 Reserved Reserved Reserved 242 Reserved Reserved Reserved 243 Reserved Reserved Reserved 244 Reserved Reserved Reserved 245 Reserved Reserved Reserved 246 Reserved Reserved Reserved 247 Reserved Reserved Reserved 248 Reserved Reserved Reserved Reserved 249 Bypass not available TRUE if the bypass input voltage is not available for transfer. 250 Rectifier breaker open TRUE if the battery contactor/breaker is open. 251 Battery contactor open TRUE if the inverter output contactor/breaker is open. 252 Inverter contactor open TRUE if the inverter output contactor/breaker is open. 253 Bypass breaker open TRUE if the bypass breaker is open. 254 Reserved Res | 231 | Reserved | Reserved |
| 234 Reserved Reserved 235 Reserved Reserved 236 Reserved Reserved 237 Reserved Reserved 237 Reserved Reserved 238 Reserved Reserved 239 Reserved Reserved 240 Reserved Reserved 241 Emergency shutdown command TRUE if an emergency power-off (EPO) command was issued. 242 Reserved Reserved 243 Reserved Reserved 244 Reserved Reserved 245 Reserved Reserved 246 Reserved Reserved 247 Reserved Reserved 248 Reserved Reserved 249 Reserved Reserved 240 Reserved Reserved 241 Reserved Reserved 242 Reserved Reserved 243 Reserved Reserved 244 Reserved Reserved 245 Reserved Reserved 246 Reserved Reserved 247 Reserved Reserved 248 Reserved Reserved 249 Bypass not available TRUE if the bypass input voltage is not available for transfer. 250 Rectifier breaker open TRUE if the rectifier/charger breaker is open. 251 Battery contactor open TRUE if the inverter output contactor/breaker is open. 252 Inverter contactor open TRUE if the inverter output contactor/breaker is open. 253 Bypass breaker open TRUE if the inverter output contactor/breaker is open. 254 Reserved Reserved 256 Reserved Reserved 257 Reserved Reserved 258 Reserved Reserved 258 Reserved 258 Reserved | 232 | Reserved | Reserved |
| 236 Reserved | 233 | Output DC over voltage | TRUE if the output DC has exceeded the over voltage limit. |
| 236 Reserved Reserved 237 Reserved Reserved 238 Reserved Reserved 239 Reserved Reserved 240 Reserved Reserved 241 Emergency shutdown command TRUE if an emergency power-off (EPO) command was issued. 242 Reserved Reserved 243 Reserved Reserved 244 Reserved Reserved 245 Reserved Reserved 246 Reserved Reserved 247 Reserved Reserved 248 Reserved Reserved 249 Reserved Reserved 240 Reserved Reserved 241 Reserved Reserved 242 Reserved Reserved 243 Reserved Reserved 244 Reserved Reserved 245 Reserved Reserved 246 Reserved Reserved 247 Reserved Reserved 248 Reserved Reserved 249 Bypass not available TRUE if the bypass input voltage is not available for trensfer. 250 Rectifier breaker open TRUE if the textifier/charger breaker is open. 251 Battery contactor open TRUE if the bytess breaker is open. 252 Inverter contactor open TRUE if the bypass breaker is open. 253 Bypass breaker open TRUE if the bypass breaker is open. 254 Reserved Reserved Reserved 255 Reserved Reserved Reserved 256 Reserved Reserved 257 Reserved Reserved 258 Reserved Reserved 258 Reserved Reserved | 234 | Reserved | Reserved |
| 237 Reserved Reserved 238 Reserved Reserved 240 Reserved Reserved 241 Emergency shutdown command TRUE if an emergency power-off (EPO) command was issued. 242 Reserved Reserved 243 Reserved Reserved 244 Reserved Reserved 245 Reserved Reserved 246 Reserved Reserved 247 Reserved Reserved 248 Reserved Reserved 249 Reserved Reserved 240 Reserved Reserved 241 Reserved Reserved 242 Reserved Reserved 243 Reserved Reserved 244 Reserved Reserved 245 Reserved Reserved 246 Reserved Reserved 247 Reserved Reserved 248 Reserved Reserved 249 Bypass not available TRUE if the bypass input voltage is not available for transfer. 250 Rectifier breaker open TRUE if the bettery contactor/breaker is open. 251 Battery contactor open TRUE if the battery contactor/breaker is open. 252 Inverter contactor open TRUE if the bypass breaker is open. 253 Bypass breaker open TRUE if the bypass breaker is open. 254 Reserved Reserved Reserved 255 Reserved Reserved Reserved 266 Reserved Reserved Reserved 267 Reserved Reserved 268 Reserved Reserved 268 Reserved Reserved 268 Reserved Reserved 268 Reserved Reserved 269 Reserved Reserved 260 Reserved Reserved 260 Reserved Reserved 261 Reserved Reserved 262 Reserved Reserved 263 Reserved Reserved | 235 | Reserved | Reserved |
| 238 Reserved Reserved 240 Reserved Reserved 241 Emergency shutdown command TRUE if an emergency power-off (EPO) command was issued. 242 Reserved Reserved 243 Reserved Reserved 244 Reserved Reserved 245 Reserved Reserved 246 Reserved Reserved 247 Reserved Reserved 248 Reserved Reserved 249 Reserved Reserved 240 Reserved Reserved 241 Reserved Reserved 242 Reserved Reserved 243 Reserved Reserved 244 Reserved Reserved 245 Reserved Reserved 246 Reserved Reserved 247 Reserved Reserved 248 Reserved Reserved 249 Bypass not available TRUE if the bypass input voltage is not available for transfer. 250 Rectifier breaker open TRUE if the rectifier/charger breaker is open. 251 Battery contactor open TRUE if the battery contactor/breaker is open. 252 Inverter contactor open TRUE if the inverter output contactor/breaker is open. 253 Bypass breaker open TRUE if the bypass breaker is open. 254 Reserved Reserved Reserved 255 Reserved Reserved Reserved 256 Reserved Reserved 257 Reserved Reserved 258 Reserved Reserved 258 Reserved Reserved | 236 | Reserved | Reserved |
| 239 Reserved 240 Reserved 241 Emergency shutdown command 242 Reserved 243 Reserved 244 Reserved 245 Reserved 246 Reserved 246 Reserved 246 Reserved 247 Reserved 247 Reserved 248 Reserved 249 Reserved 249 Reserved 240 Reserved 240 Reserved 241 Reserved 242 Reserved 243 Reserved 244 Reserved 245 Reserved 246 Reserved 247 Reserved 248 Reserved 249 Bypass not available 249 TRUE if the bypass input voltage is not available for transfer. 250 Rectifier breaker open 251 Battery contactor open 252 Inverter contactor open 253 Bypass breaker open 254 Reserved 255 Reserved 265 Reserved 276 Reserved 277 Reserved 277 Reserved 278 Reserved 278 Reserved 279 Reserved 270 Reserved 270 Reserved 270 Reserved 271 Reserved 272 Reserved 273 Reserved 274 Reserved 275 Reserved 276 Reserved 277 Reserved 277 Reserved 278 Reserved 278 Reserved 279 Reserved 279 Reserved 279 Reserved 270 Reserved | 237 | Reserved | Reserved |
| 240 Reserved 241 Emergency shutdown command TRUE if an emergency power-off (EPO) command was issued. 242 Reserved | 238 | Reserved | Reserved |
| TRUE if an emergency power-off (EPO) command was issued. 242 Reserved 243 Reserved 244 Reserved 245 Reserved 246 Reserved 247 Reserved 247 Reserved 248 Reserved 249 Bypass not available TRUE if the bypass input voltage is not available for transfer. 250 Rectifier breaker open TRUE if the battery contactor/breaker is open. 251 Battery contactor open TRUE if the inverter output contactor/breaker is open. 253 Bypass breaker open TRUE if the bypass breaker is open. 254 Reserved | 239 | Reserved | Reserved |
| 242 Reserved 243 Reserved 244 Reserved 245 Reserved 246 Reserved 246 Reserved 247 Reserved 248 Reserved 249 Bypass not available 250 Rectifier breaker open 251 Battery contactor open 252 Inverter contactor open 253 Bypass breaker open 254 Reserved 255 Reserved 265 Reserved 276 Reserved 277 Reserved 286 Reserved 297 Reserved 298 Reserved 299 Bypass not available 290 TRUE if the bypass input voltage is not available for transfer. 290 Rectifier breaker open 291 TRUE if the rectifier/charger breaker is open. 292 Inverter contactor open 293 Bypass breaker open 294 Reserved 295 Reserved 295 Reserved 295 Reserved 295 Reserved 296 Reserved 297 Reserved 298 Reserved | 240 | Reserved | Reserved |
| 243 Reserved 244 Reserved 245 Reserved 246 Reserved 247 Reserved 248 Reserved 248 Reserved 249 Bypass not available 279 Rectifier breaker open 270 TRUE if the bypass input voltage is not available for transfer. 270 Rectifier breaker open 271 Battery contactor open 272 Inverter contactor open 273 Bypass breaker open 274 Reserved 275 Reserved 276 Reserved 277 Reserved 277 Reserved 278 Reserved 279 Reserved 280 Reserved 281 Reserved 282 Reserved 283 Reserved 284 Reserved 285 Reserved 285 Reserved 286 Reserved 286 Reserved 287 Reserved 288 Reserved | 241 | Emergency shutdown command | TRUE if an emergency power-off (EPO) command was issued. |
| 244 Reserved Reserved 246 Reserved Reserved 247 Reserved Reserved 248 Reserved Reserved 249 Bypass not available TRUE if the bypass input voltage is not available for transfer. 250 Rectifier breaker open TRUE if the rectifier/charger breaker is open. 251 Battery contactor open TRUE if the battery contactor/breaker is open. 252 Inverter contactor open TRUE if the inverter output contactor/breaker is open. 253 Bypass breaker open TRUE if the bypass breaker is open. 254 Reserved Reserved 255 Reserved Reserved 266 Reserved Reserved 267 Reserved Reserved 268 Reserved Reserved | 242 | Reserved | Reserved |
| 245 Reserved Reserved 246 Reserved Reserved 247 Reserved Reserved 248 Reserved Reserved 249 Bypass not available TRUE if the bypass input voltage is not available for transfer. 250 Rectifier breaker open TRUE if the rectifier/charger breaker is open. 251 Battery contactor open TRUE if the battery contactor/breaker is open. 252 Inverter contactor open TRUE if the inverter output contactor/breaker is open. 253 Bypass breaker open TRUE if the bypass breaker is open. 254 Reserved Reserved 255 Reserved Reserved 256 Reserved Reserved 257 Reserved Reserved 258 Reserved Reserved 258 Reserved Reserved 258 Reserved Reserved 258 Reserved Reserved | 243 | Reserved | Reserved |
| 246 Reserved Reserved 247 Reserved Reserved 248 Reserved Reserved 249 Bypass not available TRUE if the bypass input voltage is not available for transfer. 250 Rectifier breaker open TRUE if the rectifier/charger breaker is open. 251 Battery contactor open TRUE if the battery contactor/breaker is open. 252 Inverter contactor open TRUE if the inverter output contactor/breaker is open. 253 Bypass breaker open TRUE if the bypass breaker is open. 254 Reserved Reserved 255 Reserved Reserved 256 Reserved Reserved 257 Reserved Reserved 258 Reserved Reserved 258 Reserved Reserved 258 Reserved Reserved 258 Reserved Reserved | 244 | Reserved | Reserved |
| 247 Reserved 248 Reserved Reserved 249 Bypass not available TRUE if the bypass input voltage is not available for transfer. 250 Rectifier breaker open TRUE if the rectifier/charger breaker is open. 251 Battery contactor open TRUE if the battery contactor/breaker is open. 252 Inverter contactor open TRUE if the inverter output contactor/breaker is open. 253 Bypass breaker open TRUE if the bypass breaker is open. 254 Reserved | 245 | Reserved | Reserved |
| 248 Reserved 249 Bypass not available TRUE if the bypass input voltage is not available for transfer. 250 Rectifier breaker open TRUE if the rectifier/charger breaker is open. 251 Battery contactor open TRUE if the battery contactor/breaker is open. 252 Inverter contactor open TRUE if the inverter output contactor/breaker is open. 253 Bypass breaker open TRUE if the bypass breaker is open. 254 Reserved Reserved Reserved 255 Reserved | 246 | Reserved | Reserved |
| TRUE if the bypass input voltage is not available for transfer. TRUE if the rectifier/charger breaker is open. TRUE if the battery contactor/breaker is open. TRUE if the battery contactor/breaker is open. TRUE if the inverter output contactor/breaker is open. TRUE if the bypass breaker is open. TRUE if the bypass breaker is open. TRUE if the bypass breaker is open. Reserved | 247 | Reserved | Reserved |
| 250 Rectifier breaker open TRUE if the rectifier/charger breaker is open. 251 Battery contactor open TRUE if the battery contactor/breaker is open. 252 Inverter contactor open TRUE if the inverter output contactor/breaker is open. 253 Bypass breaker open TRUE if the bypass breaker is open. 254 Reserved Reserved Reserved 255 Reserved Reserved 256 Reserved | 248 | Reserved | Reserved |
| 251 Battery contactor open TRUE if the battery contactor/breaker is open. 252 Inverter contactor open TRUE if the inverter output contactor/breaker is open. 253 Bypass breaker open TRUE if the bypass breaker is open. 254 Reserved Reserved 255 Reserved Reserved 256 Reserved Reserved 257 Reserved Reserved 258 Reserved Reserved 258 Reserved Reserved | 249 | Bypass not available | TRUE if the bypass input voltage is not available for transfer. |
| 252 Inverter contactor open TRUE if the inverter output contactor/breaker is open. 253 Bypass breaker open TRUE if the bypass breaker is open. 254 Reserved Reserved 255 Reserved Reserved 256 Reserved Reserved 257 Reserved Reserved 258 Reserved Reserved 258 Reserved Reserved | 250 | Rectifier breaker open | TRUE if the rectifier/charger breaker is open. |
| 253 Bypass breaker open TRUE if the bypass breaker is open. 254 Reserved Reserved 255 Reserved Reserved 256 Reserved Reserved 257 Reserved Reserved 258 Reserved Reserved Reserved Reserved | 251 | Battery contactor open | TRUE if the battery contactor/breaker is open. |
| 254 Reserved 255 Reserved 256 Reserved 257 Reserved 258 Reserved Reserved Reserved Reserved Reserved Reserved | 252 | Inverter contactor open | TRUE if the inverter output contactor/breaker is open. |
| 255 Reserved 256 Reserved 257 Reserved 258 Reserved Reserved Reserved Reserved | 253 | Bypass breaker open | TRUE if the bypass breaker is open. |
| 256 Reserved 257 Reserved Reserved 258 Reserved Reserved | 254 | Reserved | Reserved |
| 257 Reserved Reserved 258 Reserved Reserved | 255 | Reserved | Reserved |
| 258 Reserved Reserved | 256 | Reserved | Reserved |
| | 257 | Reserved | Reserved |
| 259 Reserved Reserved | 258 | Reserved | Reserved |
| | 259 | Reserved | Reserved |
| 260 Reserved Reserved | 260 | Reserved | Reserved |
| 261 Reserved Reserved | 261 | Reserved | Reserved |
| 262 Reserved Reserved | 262 | Reserved | Reserved |
| 263 Reserved Reserved | 263 | Reserved | Reserved |
| 264 Reserved Reserved | 264 | Reserved | Reserved |

| | | UPS Status |
|----------|---------------------------------|---|
| Register | Name | Description |
| 265 | Reserved | Reserved |
| 266 | Reserved | Reserved |
| 267 | Reserved | Reserved |
| 268 | Reserved | Reserved |
| 269 | Reserved | Reserved |
| 270 | Battery totally discharged | TRUE if the battery has been discharged to its maximum discharged state. |
| 271 | Reserved | Reserved |
| 272 | Reserved | Reserved |
| 273 | Reserved | Reserved |
| 274 | Reserved | Reserved |
| 275 | Reserved | Reserved |
| 276 | Loss of redundancy | TRUE if a power module has failed. |
| 277 | Loss of sync bus | TRUE if sync bus not active is detected. |
| 278 | Rectifier breaker shunt tripped | TRUE if the rectifier breaker has been tripped. |
| 279 | Loss of charger sync | TRUE if the charger is not synchronized to its input voltage. |
| 280 | Reserved | Reserved |
| 281 | Output breaker open | TRUE if the UPS output breaker is open. |
| 282 | Control power on | TRUE if the control power has been applied. |
| 283 | Inverter on | TRUE if the inverter is on. |
| 284 | Charger on | TRUE if the charger is on. |
| 285 | Bypass on | TRUE if the bypass is available. |
| 286 | Bypass power loss | TRUE if the bypass input has insufficient power available to supply the current load. |
| 287 | Reserved | Reserved |
| 288 | Reserved | Reserved |
| 289 | Reserved | Reserved |
| 290 | Reserved | Reserved |
| 291 | Reserved | Reserved |
| 292 | Reserved | Reserved |
| 293 | Check battery flag | TRUE if the battery has failed. |
| 294 | Battery charging | TRUE if the battery is being charged. |
| 295 | Battery not charged | TRUE if the battery is not fully charged. |
| 296 | Reserved | Reserved |
| 297 | Reserved | Reserved |
| 298 | Other UPS on | TRUE if one of the other UPSs is currently on (parallel system). |
| 299 | Parallel inverter | TRUE if two or more inverters are currently operating in parallel. |
| | | |

| Register Name Description TRUE if parallel operation with at least one other UPS. 1801 Output BreakerRelay Failure TRUE if the output breaker or relay has failed. TRUE if the control power has been removed. TRUE if output phase A has exceeded 106% of its rated current or power. TRUE if output phase A has exceeded 106% of its rated current or power. TRUE if output phase A has exceeded 106% of its rated current or power. TRUE if output phase A has exceeded 106% of its rated current or power. TRUE if output phase A has exceeded 106% of its rated current or power. TRUE if output phase A has exceeded 106% of its rated current or power. TRUE if output phase A has exceeded 125% of its rated current or power. TRUE if output phase A has exceeded 125% of its rated current or power. TRUE if output phase A has exceeded 125% of its rated current or power. TRUE if output phase A has exceeded 125% of its rated current or power. TRUE if output phase A has exceeded 150% of its rated current or power. TRUE if output phase A has exceeded 150% of its rated current or power. TRUE if output phase A has exceeded 150% of its rated current or power. TRUE if output phase A has exceeded 150% of its rated current or power. TRUE if output phase A has exceeded 150% of its rated current or power. TRUE if output phase A has exceeded 150% of its rated current or power. TRUE if the output phase A has exceeded 150% of its rated current or power. TRUE if the UPS is on battery. TRUE if the UPS is on battery. TRUE if the UPS is on battery. TRUE if the IPS is on battery. TRUE if the IPS is on battery. TRUE if the IPS is on battery. TRUE if the battery low limit is reached. Reserved | | | UPS Status |
|--|----------|---------------------------------------|---|
| TRUE if the output breaker or relay has failed. 302 Control power off TRUE if the output phase A has exceeded 10% of its rated current or power. 303 Greater than 106% overload on phase B TRUE if output phase B has exceeded 10% of its rated current or power. 304 Greater than 106% overload on phase C TRUE if output phase C has exceeded 10% of its rated current or power. 305 Greater than 125% overload on phase A TRUE if output phase C has exceeded 125% of its rated current or power. 306 Greater than 125% overload on phase A TRUE if output phase A has exceeded 125% of its rated current or power. 307 Greater than 125% overload on phase C TRUE if output phase B has exceeded 125% of its rated current or power. 308 Greater than 150% overload on phase C TRUE if output phase A has exceeded 125% of its rated current or power. 310 Greater than 150% overload on phase B TRUE if output phase A has exceeded 125% of its rated current or power. 311 Greater than 150% overload on phase C TRUE if output phase A has exceeded 150% of its rated current or power. 312 UPS On Battery TRUE if the UPS is on battery. 313 UPS On Bypass TRUE if the UPS is on battery. 314 Load Dumped (Load Power Off) TRUE if the load power is off. 315 Load On Inverter TRUE if the load power is off. 316 Reserved | Register | Name | Description |
| TRUE if the control power has been removed. TRUE if the control power has been removed. TRUE if output phase A has exceeded 10% of its rated current or power. TRUE if output phase B has exceeded 10% of its rated current or power. TRUE if output phase C has exceeded 10% of its rated current or power. TRUE if output phase C has exceeded 10% of its rated current or power. TRUE if output phase C has exceeded 12% of its rated current or power. TRUE if output phase A has exceeded 12% of its rated current or power. TRUE if output phase A has exceeded 12% of its rated current or power. TRUE if output phase B has exceeded 12% of its rated current or power. TRUE if output phase B has exceeded 12% of its rated current or power. TRUE if output phase C has exceeded 120% of its rated current or power. TRUE if output phase B has exceeded 150% of its rated current or power. TRUE if output phase B has exceeded 150% of its rated current or power. TRUE if output phase B has exceeded 150% of its rated current or power. TRUE if the UPS is on bettery. TRUE if the UPS is on bettery. TRUE if the UPS is on bettery. TRUE if the UPS is on bypass. TRUE if the battery low limit is reached. Reserved | 300 | UPS in parallel | TRUE if parallel operation with at least one other UPS. |
| 303 Greater than 106% overload on phase A 304 Greater than 106% overload on phase B 305 Greater than 106% overload on phase B 306 Greater than 106% overload on phase C 307 Greater than 125% overload on phase B 308 Greater than 125% overload on phase B 309 Greater than 125% overload on phase C 300 Greater than 125% overload on phase B 300 Greater than 125% overload on phase B 301 TRUE if output phase A has exceeded 125% of its rated current or power. 302 Greater than 125% overload on phase C 303 Greater than 125% overload on phase C 304 Greater than 125% overload on phase A 305 Greater than 125% overload on phase A 306 Greater than 125% overload on phase A 307 Greater than 125% overload on phase C 308 Greater than 155% overload on phase A 319 Greater than 155% overload on phase B 310 Greater than 155% overload on phase B 311 Greater than 155% overload on phase B 312 UPS On Battery 313 UPS On Battery 314 Load Dumped (Load Power Off) 315 Load On Inverter 316 Reserved 317 Reserved 318 Reserved 319 Reserved 310 Reserved 310 Reserved 311 Reserved 312 Reserved 313 Reserved 314 Load Dumped (Load Power Off) 315 Load On Inverter 316 Reserved 317 Reserved 318 Reserved 319 Reserved 319 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 330 Reserved 340 Reserved 350 Reserved 350 Reserved 350 Reserved 350 Reserved 350 Reserved | 301 | Output Breaker/Relay Failure | TRUE if the output breaker or relay has failed. |
| 304 Greater than 106% overload on phase B 305 Greater than 106% overload on phase C 306 Greater than 106% overload on phase C 307 Greater than 125% overload on phase B 308 Greater than 125% overload on phase B 309 Greater than 125% overload on phase B 309 Greater than 125% overload on phase B 300 Greater than 125% overload on phase B 300 Greater than 125% overload on phase B 301 TRUE if output phase B has exceeded 125% of its rated current or power. 302 Greater than 150% overload on phase C 303 Greater than 150% overload on phase A 304 TRUE if output phase C has exceeded 150% of its rated current or power. 305 Greater than 150% overload on phase A 310 Greater than 150% overload on phase C 311 Greater than 150% overload on phase C 312 UPS On Battery 313 UPS On Battery 314 Load Dumped (Load Power Off) 315 Load On Inverter 316 Reserved 317 Reserved 317 Reserved 318 Reserved 319 Reserved 310 Reserved 311 Reserved 311 Reserved 312 Reserved 313 Reserved 314 Reserved 315 Reserved 316 Reserved 317 Reserved 317 Reserved 318 Reserved 319 Reserved 310 Reserved 311 Reserved 311 Reserved 312 Reserved 313 Reserved 314 Reserved 315 Reserved 316 Reserved 317 Reserved 318 Reserved 319 Reserved 310 Reserved 311 Reserved 311 Reserved 312 Reserved 313 Reserved 314 Reserved 315 Reserved 316 Reserved 317 Reserved 317 Reserved 318 Reserved 319 Reserved 319 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Syncing to Bypass 346 If the inverter output is synchronized to the bypass source. 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 320 Reserved 320 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 320 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 330 Reserved 340 Reserved 351 Reserved 352 Reserved 353 Reserved 353 Reserved 354 Reserved | 302 | Control power off | TRUE if the control power has been removed. |
| 305 Greater than 106% overload on phase C 306 Greater than 125% overload on phase A 307 Greater than 125% overload on phase A 308 Greater than 125% overload on phase B 309 Greater than 125% overload on phase B 309 Greater than 125% overload on phase C 309 Greater than 150% overload on phase A 310 Greater than 150% overload on phase B 311 Greater than 150% overload on phase B 312 UPS on Battery 313 UPS on Battery 314 Load Dumped (Load Power Off) 315 Load On Inverter 316 Reserved 317 Reserved 317 Reserved 318 Low Battery Shutdown 319 Reserved 310 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Syncing to Bypass 326 TRUE if the UPS is operating in normal parallel mode. 327 Reserved 328 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Syncing to Bypass 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 330 Reserved 330 Reserved 330 Reserved | 303 | Greater than 106% overload on phase A | TRUE if output phase A has exceeded 106% of its rated current or power. |
| TRUE if output phase A has exceeded 125% of its rated current or power. TRUE if output phase B has exceeded 125% of its rated current or power. TRUE if output phase B has exceeded 125% of its rated current or power. TRUE if output phase B has exceeded 125% of its rated current or power. TRUE if output phase C has exceeded 125% of its rated current or power. TRUE if output phase A has exceeded 150% of its rated current or power. TRUE if output phase B has exceeded 150% of its rated current or power. TRUE if output phase B has exceeded 150% of its rated current or power. TRUE if output phase B has exceeded 150% of its rated current or power. TRUE if output phase B has exceeded 150% of its rated current or power. TRUE if output phase C has exceeded 150% of its rated current or power. TRUE if the UPS is on battery. TRUE if the UPS is on battery. TRUE if the UPS is on bypass. TRUE if the inverter is supplying power to the load. TRUE if the inverter is supplying power to the load. Reserved | 304 | Greater than 106% overload on phase B | TRUE if output phase B has exceeded 106% of its rated current or power. |
| 307 Greater than 125% overload on phase B TRUE if output phase B has exceeded 125% of its rated current or power. 308 Greater than 125% overload on phase C TRUE if output phase C has exceeded 125% of its rated current or power. 309 Greater than 150% overload on phase B TRUE if output phase A has exceeded 150% of its rated current or power. 310 Greater than 150% overload on phase B TRUE if output phase B has exceeded 150% of its rated current or power. 311 Greater than 150% overload on phase C TRUE if output phase B has exceeded 150% of its rated current or power. 312 UPS On Battery TRUE if the UPS is on battery. 313 UPS On Bypass TRUE if the UPS is on bypass. 314 Load Dumped (Load Power Off) TRUE if the load power is off. 315 Load On Inverter TRUE if the inverter is supplying power to the load. 316 Reserved Reserved Reserved 317 Reserved | 305 | Greater than 106% overload on phase C | TRUE if output phase C has exceeded 106% of its rated current or power. |
| 308 Greater than 125% overload on phase C 309 Greater than 150% overload on phase A 309 Greater than 150% overload on phase B 310 Greater than 150% overload on phase B 311 Greater than 150% overload on phase C 312 UPS On Battery 313 UPS On Battery 314 Load Dumped (Load Power Off) 315 Load On Inverter 316 Reserved 317 Reserved 317 Reserved 318 Low Battery Shutdown 319 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Syncing to Bypass 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 330 Reserved 340 Reserved 351 Reserved 352 Reserved 353 Reserved 354 Reserved 355 Reserved 365 Reserved 376 Reserved 377 Reserved 378 Reserved 379 Reserved 380 Reserved 390 Reserved | 306 | Greater than 125% overload on phase A | TRUE if output phase A has exceeded 125% of its rated current or power. |
| 309 Greater than 150% overload on phase A 310 Greater than 150% overload on phase B 311 Greater than 150% overload on phase C 312 UPS On Battery 313 UPS On Bypass 314 Load Dumped (Load Power Off) 315 Load On Inverter 316 Reserved 317 Reserved 318 Low Battery Shutdown 319 Reserved 310 Reserved 310 Reserved 3110 Reserved 3111 Reserved 3111 Reserved 3112 Reserved 3113 Reserved 3114 Reserved 315 Reserved 316 Reserved 317 Reserved 318 Low Battery Shutdown 319 Reserved 310 Reserved 310 Reserved 310 Reserved 3110 Reserved 3111 Reserved 3120 Reserved 3131 Reserved 3131 Reserved 3220 Reserved 3231 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 330 Reserved 330 Reserved 331 Reserved 332 Reserved 333 Reserved 334 Reserved 335 Reserved 336 Reserved 337 Reserved 338 Reserved 339 Reserved 340 Reserved 350 Reserved 351 Reserved 352 Reserved 353 Reserved 353 Reserved 354 Reserved 355 Reserved 356 Reserved 357 Reserved 357 Reserved 358 Reserved 359 Reserved 369 Reserved 379 Reserved 370 Reserved | 307 | Greater than 125% overload on phase B | TRUE if output phase B has exceeded 125% of its rated current or power. |
| 310 Greater than 150% overload on phase B 311 Greater than 150% overload on phase C 312 UPS On Battery 313 UPS On Battery 314 Load Dumped (Load Power Off) 315 Load On Inverter 316 Reserved 317 Reserved 318 Low Battery Shutdown 319 Reserved 310 Reserved 310 Reserved 311 Reserved 312 Reserved 313 Reserved 314 Reserved 315 Reserved 316 Reserved 317 Reserved 318 Reserved 319 Reserved 310 Reserved 310 Reserved 3119 Reserved 3110 Reserved 3120 Reserved 3131 Reserved 31320 Reserved 33320 Reserved 334 Reserved 345 Syncing to Bypass 346 Reserved 357 Reserved 368 Reserved 378 Reserved 379 Reserved 380 Reserved 381 Reserved 382 Reserved 383 Reserved 383 Reserved 384 Syncing to Bypass 385 TRUE if the inverter output is synchronized to the bypass source. 385 Reserved 386 Reserved 387 Reserved 388 Reserved 388 Reserved 388 Reserved 389 Reserved 389 Reserved 380 Reserved 381 Reserved 382 Reserved 383 Reserved 384 Reserved 385 Reserved 386 Reserved 387 Reserved 388 Reserved 388 Reserved 388 Reserved 388 Reserved 389 Reserved 380 Reserved 381 Reserved 383 Reserved 384 Reserved 385 Reserved 386 Reserved 386 Reserved 387 Reserved 388 Reserved 388 Reserved 388 Reserved 389 Reserved 380 Reserved 380 Reserved 381 Reserved 382 Reserved 383 Reserved 383 Reserved 384 Reserved 385 Reserved 386 Reserved 387 Reserved 388 Reserved 388 Reserved 388 Reserved 389 Reserved 389 Reserved 380 Reserved 380 Reserved 380 Reserved 380 Reserved 381 Reserved 382 Reserved 383 Reserved 383 Reserved 383 Reserved 384 Reserved 385 Reserved 386 Reserved 386 Reserved 387 Reserved 388 Reserved 388 Reserved 389 Reserved | 308 | Greater than 125% overload on phase C | TRUE if output phase C has exceeded 125% of its rated current or power. |
| 311 Greater than 150% overload on phase C TRUE if output phase C has exceeded 150% of its rated current or power. 312 UPS On Battery TRUE if the UPS is on battery. 313 UPS On Bypass TRUE if the UPS is on bypass. 314 Load Dumped (Load Power Off) TRUE if the load power is off. 315 Load On Inverter TRUE if the inverter is supplying power to the load. 316 Reserved Reserved 317 Reserved Reserved 318 Low Battery Shutdown TRUE if the battery low limit is reached. 319 Reserved Reserved 320 Reserved Reserved 321 Reserved Reserved 322 Reserved Reserved 323 In Parallel Operation TRUE if the UPS is operating in normal parallel mode. 324 Syncing to Bypass TRUE if the inverter output is synchronized to the bypass source. 325 Reserved Reserved Reserved 326 Reserved Reserved Reserved 327 Reserved Reserved Reserved 328 Reserved Reserved Reserved 329 Reserved Reserved Reserved 320 Reserved | 309 | Greater than 150% overload on phase A | TRUE if output phase A has exceeded 150% of its rated current or power. |
| 312 UPS On Battery TRUE if the UPS is on battery. 313 UPS On Bypass TRUE if the UPS is on bypass. 314 Load Dumped (Load Power Off) TRUE if the load power is off. 315 Load On Inverter TRUE if the inverter is supplying power to the load. 316 Reserved Reserved Reserved 317 Reserved Reserved 318 Low Battery Shutdown TRUE if the battery low limit is reached. 319 Reserved Reserved 320 Reserved Reserved Reserved 321 Reserved Reserved Reserved Reserved Reserved 322 Reserved | 310 | Greater than 150% overload on phase B | TRUE if output phase B has exceeded 150% of its rated current or power. |
| 313 UPS On Bypass TRUE if the UPS is on bypass. 314 Load Dumped (Load Power Off) TRUE if the load power is off. 315 Load On Inverter TRUE if the inverter is supplying power to the load. 316 Reserved Reserved 317 Reserved Reserved 318 Low Battery Shutdown TRUE if the battery low limit is reached. 319 Reserved Reserved 320 Reserved Reserved 321 Reserved Reserved 322 Reserved Reserved 323 In Parallel Operation TRUE if the UPS is operating in normal parallel mode. 324 Syncing to Bypass TRUE if the inverter output is synchronized to the bypass source. 325 Reserved Reserved 326 Reserved Reserved 327 Reserved Reserved 328 Reserved Reserved 329 Reserved Reserved 320 Reserved Reserved 321 Reserved Reserved 322 Reserved Reserved Reserved 323 Reserved Reserved Reserved 324 Reserved Reserved Reserved 325 Reserved Reserved Reserved 326 Reserved Reserved Reserved 327 Reserved Reserved Reserved 328 Reserved Reserved Reserved 329 Reserved Reserved Reserved 320 Reserved Reserved Reserved 321 Reserved Reserved Reserved 322 Reserved Reserved Reserved 323 Reserved Reserved Reserved 324 Reserved Reserved Reserved 325 Reserved Reserved Reserved 326 Reserved Reserved Reserved 327 Reserved Reserved Reserved 328 Reserved Reserved Reserved 329 Reserved Reserved Reserved 320 Reserved Reserved Reserved 321 Reserved Reserved Reserved 322 Reserved Reserved Reserved 323 Reserved Reserved Reserved 324 Reserved Reserved Reserved | 311 | Greater than 150% overload on phase C | TRUE if output phase C has exceeded 150% of its rated current or power. |
| 314 Load Dumped (Load Power Off) 315 Load On Inverter TRUE if the load power is off. 316 Reserved Reserved Reserved Reserved 317 Reserved Reserved 318 Low Battery Shutdown TRUE if the battery low limit is reached. 319 Reserved Reserved 320 Reserved Reserved 321 Reserved Reserved 322 Reserved Reserved 323 In Parallel Operation TRUE if the UPS is operating in normal parallel mode. 324 Syncing to Bypass TRUE if the inverter output is synchronized to the bypass source. 325 Reserved Reserved 326 Reserved | 312 | UPS On Battery | TRUE if the UPS is on battery. |
| 315 Load On Inverter TRUE if the inverter is supplying power to the load. 316 Reserved Reserved 317 Reserved Reserved 318 Low Battery Shutdown TRUE if the battery low limit is reached. 319 Reserved 320 Reserved 321 Reserved 322 Reserved Reserved 323 In Parallel Operation TRUE if the UPS is operating in normal parallel mode. 324 Syncing to Bypass TRUE if the inverter output is synchronized to the bypass source. 325 Reserved 326 Reserved 327 Reserved Reserved 328 Reserved Reserved 329 Reserved Reserved 320 Reserved Reserved 321 Reserved Reserved 322 Reserved Reserved 323 Reserved Reserved 324 Reserved Reserved 325 Reserved Reserved 326 Reserved Reserved 327 Reserved Reserved 328 Reserved Reserved 329 Reserved Reserved 320 Reserved Reserved 321 Reserved Reserved 322 Reserved Reserved 323 Reserved Reserved 324 Reserved 325 Reserved Reserved 326 Reserved 327 Reserved Reserved 328 Reserved Reserved 329 Reserved Reserved 330 Reserved Reserved 331 Reserved Reserved 332 Reserved Reserved 333 Reserved Reserved 334 Reserved Reserved 335 Reserved Reserved 336 Reserved Reserved 337 Reserved Reserved 338 Reserved Reserved 339 Reserved Reserved 330 Reserved Reserved 331 Reserved Reserved 332 Reserved Reserved | 313 | UPS On Bypass | TRUE if the UPS is on bypass. |
| 316 Reserved 317 Reserved 318 Low Battery Shutdown 318 Reserved 319 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 327 Reserved 328 Reserved 329 Reserved 320 Reserved 320 Reserved 321 In Parallel Operation 322 TRUE if the UPS is operating in normal parallel mode. 323 Syncing to Bypass 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 320 Reserved 320 Reserved 321 Reserved 322 Reserved 323 Reserved 324 Reserved 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved 329 Reserved 320 Reserved 330 Reserved 331 Reserved 332 Reserved 333 Reserved 333 Reserved 334 Reserved 335 Reserved 336 Reserved 337 Reserved 337 Reserved 338 Reserved 339 Reserved 330 Reserved 330 Reserved 331 Reserved 332 Reserved 333 Reserved 333 Reserved 334 Reserved 335 Reserved 336 Reserved 337 Reserved 338 Reserved 339 Reserved 330 Reserved 330 Reserved 331 Reserved 332 Reserved 333 Reserved 333 Reserved 334 Reserved | 314 | Load Dumped (Load Power Off) | TRUE if the load power is off. |
| 317 Reserved 318 Low Battery Shutdown TRUE if the battery low limit is reached. 319 Reserved Reserved 320 Reserved Reserved 321 Reserved Reserved 322 Reserved Reserved 323 In Parallel Operation TRUE if the UPS is operating in normal parallel mode. 324 Syncing to Bypass TRUE if the inverter output is synchronized to the bypass source. 325 Reserved Reserved 326 Reserved Reserved 327 Reserved Reserved Reserved 328 Reserved Reserved Reserved 329 Reserved Reserved Reserved 320 Reserved | 315 | Load On Inverter | TRUE if the inverter is supplying power to the load. |
| 318 Low Battery Shutdown TRUE if the battery low limit is reached. 319 Reserved | 316 | Reserved | Reserved |
| Reserved | 317 | Reserved | Reserved |
| 320 Reserved 321 Reserved 322 Reserved 323 In Parallel Operation TRUE if the UPS is operating in normal parallel mode. 324 Syncing to Bypass TRUE if the inverter output is synchronized to the bypass source. 325 Reserved 326 Reserved 327 Reserved 328 Reserved Reserved 329 Reserved Reserved 320 Reserved Reserved 321 Reserved Reserved 322 Reserved Reserved 323 Reserved Reserved 324 Reserved 325 Reserved Reserved 326 Reserved Reserved 327 Reserved 328 Reserved 329 Reserved Reserved 330 Reserved Reserved 331 Reserved Reserved 332 Bypass Failure TRUE if a bypass breaker failure. | 318 | Low Battery Shutdown | TRUE if the battery low limit is reached. |
| 321 Reserved 322 Reserved 323 In Parallel Operation TRUE if the UPS is operating in normal parallel mode. 324 Syncing to Bypass TRUE if the inverter output is synchronized to the bypass source. 325 Reserved 326 Reserved 327 Reserved 328 Reserved 328 Reserved 329 Reserved Reserved 329 Reserved Reserved 330 Reserved Reserved 331 Reserved Reserved 332 Bypass Failure TRUE if a bypass breaker failure. | 319 | Reserved | Reserved |
| 322 Reserved 323 In Parallel Operation TRUE if the UPS is operating in normal parallel mode. 324 Syncing to Bypass TRUE if the inverter output is synchronized to the bypass source. 325 Reserved Reserved 326 Reserved Reserved 327 Reserved Reserved 328 Reserved Reserved 329 Reserved Reserved 320 Reserved Reserved 320 Reserved Reserved 321 Reserved Reserved 322 Reserved Reserved 323 Reserved Reserved 324 Reserved Reserved 325 Reserved Reserved Reserved 326 Reserved Reserved 327 Reserved Reserved 328 Reserved Reserved 329 Reserved Reserved 320 Reserved Reserved 330 Reserved Reserved TRUE if a bypass breaker failure. | 320 | Reserved | Reserved |
| 1323 In Parallel Operation TRUE if the UPS is operating in normal parallel mode. 324 Syncing to Bypass TRUE if the inverter output is synchronized to the bypass source. 325 Reserved Reserved 326 Reserved Reserved 327 Reserved Reserved 328 Reserved Reserved 329 Reserved Reserved 320 Reserved Reserved 330 Reserved Reserved 331 Reserved Reserved 332 Bypass Failure TRUE if a bypass breaker failure. | 321 | Reserved | Reserved |
| 324 Syncing to Bypass TRUE if the inverter output is synchronized to the bypass source. 325 Reserved Reserved 326 Reserved Reserved 327 Reserved Reserved 328 Reserved Reserved 329 Reserved Reserved 330 Reserved Reserved 331 Reserved Reserved 332 Bypass Failure TRUE if a bypass breaker failure. | 322 | Reserved | Reserved |
| 325 Reserved 326 Reserved 327 Reserved 328 Reserved 329 Reserved Reserved 330 Reserved Reserved 331 Reserved Reserved 332 Bypass Failure Reserved TRUE if a bypass breaker failure. | 323 | In Parallel Operation | TRUE if the UPS is operating in normal parallel mode. |
| 326 Reserved 327 Reserved 328 Reserved 329 Reserved 320 Reserved 330 Reserved Reserved 331 Reserved Reserved 332 Bypass Failure Reserved TRUE if a bypass breaker failure. | 324 | Syncing to Bypass | TRUE if the inverter output is synchronized to the bypass source. |
| 327 Reserved 328 Reserved 329 Reserved 320 Reserved 330 Reserved 331 Reserved 332 Bypass Failure 332 Reserved 333 Reserved 334 Reserved 335 Reserved 336 Reserved | 325 | Reserved | Reserved |
| 328 Reserved 329 Reserved Reserved 330 Reserved Reserved 331 Reserved Reserved 332 Bypass Failure TRUE if a bypass breaker failure. | 326 | Reserved | Reserved |
| 329 Reserved 330 Reserved Reserved 331 Reserved Reserved 332 Bypass Failure TRUE if a bypass breaker failure. | 327 | Reserved | Reserved |
| 330 Reserved 331 Reserved Reserved 332 Bypass Failure Reserved TRUE if a bypass breaker failure. | 328 | Reserved | Reserved |
| 331 Reserved Reserved 332 Bypass Failure TRUE if a bypass breaker failure. | 329 | Reserved | Reserved |
| 332 Bypass Failure TRUE if a bypass breaker failure. | 330 | Reserved | Reserved |
| | 331 | Reserved | Reserved |
| 333 Reserved Reserved | 332 | Bypass Failure | TRUE if a bypass breaker failure. |
| | 333 | Reserved | Reserved |
| 334 Reserved Reserved | 334 | Reserved | Reserved |

| Register Name Description TRUE if the battery has failed and needs to be replaced. TRUE if at least one fuse in the UPS has failed and needs to be replaced. TRUE if at least one fuse in the UPS has failed and needs to be replaced. TRUE if at least one fan in the UPS has failed. TRUE if a fault in the input wiring, other than Phase Rotation; e.g., Ground/Net TRUE if the Backfeed contactor has failed. Reserved Reserved Reserved Reserved Reserved TRUE if the batteries are not connected. TRUE if the batteries are not connected. TRUE if the temperature inside the UPS has exceeded its upper limit. TRUE if the output transformer has exceeded its upper temperature limit. TRUE if the ambient temperature is above its lower limit. TRUE if the ambient temperature is above its upper limit. Reserved Reserved Reserved Reserved Reserved Reserved Reserved Reserved | |
|--|--------------------------|
| TRUE if at least one fuse in the UPS has failed and needs to be replaced. TRUE if at least one fuse in the UPS has failed and needs to be replaced. TRUE if at least one fan in the UPS has failed. TRUE if a fault in the input wiring, other than Phase Rotation; e.g., Ground/Net TRUE if the Backfeed contactor has failed. Reserved Reserved Reserved Reserved Reserved TRUE if the batteries are not connected. TRUE if the temperature inside the UPS has exceeded its upper limit. TRUE if the ambient temperature is below its lower limit. TRUE if the ambient temperature is above its upper limit. Reserved R | |
| TRUE if at least one fan in the UPS has failed. TRUE if a fault in the input wiring, other than Phase Rotation; e.g., Ground/Net TRUE if the Backfeed contactor has failed. Reserved | |
| 338 Site Wiring Fault TRUE if a fault in the input wiring, other than Phase Rotation; e.g., Ground/Net 339 Backfeed Contactor Failure TRUE if the Backfeed contactor has failed. 340 Reserved Reserved 341 Reserved Reserved 342 Reserved 343 Batteries Disconnected TRUE if the batteries are not connected. 344 UPS Cabinet Over Temperature TRUE if the temperature inside the UPS has exceeded its upper limit. 345 Transformer Over Temperature TRUE if the output transformer has exceeded its upper temperature limit. 346 Ambient Under Temperature TRUE if the ambient temperature is below its lower limit. 347 Ambient Over Temperature TRUE if the ambient temperature is above its upper limit. Reserved Reserved | |
| 339 Backfeed Contactor Failure TRUE if the Backfeed contactor has failed. 340 Reserved 341 Reserved Reserved 342 Reserved 343 Batteries Disconnected TRUE if the batteries are not connected. 344 UPS Cabinet Over Temperature TRUE if the temperature inside the UPS has exceeded its upper limit. 345 Transformer Over Temperature TRUE if the output transformer has exceeded its upper temperature limit. 346 Ambient Under Temperature TRUE if the ambient temperature is below its lower limit. 347 Ambient Over Temperature TRUE if the ambient temperature is above its upper limit. 348 Reserved Reserved | |
| 340 Reserved 341 Reserved 342 Reserved 343 Batteries Disconnected TRUE if the batteries are not connected. 344 UPS Cabinet Over Temperature TRUE if the temperature inside the UPS has exceeded its upper limit. 345 Transformer Over Temperature TRUE if the output transformer has exceeded its upper temperature limit. 346 Ambient Under Temperature TRUE if the ambient temperature is below its lower limit. 347 Ambient Over Temperature TRUE if the ambient temperature is above its upper limit. 348 Reserved Reserved | eutral reversed. |
| 341 Reserved 342 Reserved 343 Batteries Disconnected TRUE if the batteries are not connected. 344 UPS Cabinet Over Temperature TRUE if the temperature inside the UPS has exceeded its upper limit. 345 Transformer Over Temperature TRUE if the output transformer has exceeded its upper temperature limit. 346 Ambient Under Temperature TRUE if the ambient temperature is below its lower limit. 347 Ambient Over Temperature TRUE if the ambient temperature is above its upper limit. Reserved Reserved | |
| 342 Reserved 343 Batteries Disconnected TRUE if the batteries are not connected. 344 UPS Cabinet Over Temperature TRUE if the temperature inside the UPS has exceeded its upper limit. 345 Transformer Over Temperature TRUE if the output transformer has exceeded its upper temperature limit. 346 Ambient Under Temperature TRUE if the ambient temperature is below its lower limit. 347 Ambient Over Temperature TRUE if the ambient temperature is above its upper limit. 348 Reserved Reserved | |
| 343 Batteries Disconnected TRUE if the batteries are not connected. 344 UPS Cabinet Over Temperature TRUE if the temperature inside the UPS has exceeded its upper limit. 345 Transformer Over Temperature TRUE if the output transformer has exceeded its upper temperature limit. 346 Ambient Under Temperature TRUE if the ambient temperature is below its lower limit. 347 Ambient Over Temperature TRUE if the ambient temperature is above its upper limit. 348 Reserved Reserved | |
| TRUE if the temperature inside the UPS has exceeded its upper limit. TRUE if the output transformer has exceeded its upper temperature limit. TRUE if the output transformer has exceeded its upper temperature limit. TRUE if the ambient temperature is below its lower limit. TRUE if the ambient temperature is above its upper limit. TRUE if the ambient temperature is above its upper limit. Reserved | |
| TRUE if the output transformer has exceeded its upper temperature limit. TRUE if the ambient temperature is below its lower limit. TRUE if the ambient temperature is above its upper limit. TRUE if the ambient temperature is above its upper limit. Reserved | |
| 346 Ambient Under Temperature TRUE if the ambient temperature is below its lower limit. 347 Ambient Over Temperature TRUE if the ambient temperature is above its upper limit. 348 Reserved Reserved | |
| 347 Ambient Over Temperature TRUE if the ambient temperature is above its upper limit. 348 Reserved Reserved | |
| 348 Reserved Reserved | |
| | |
| 2/0 Received | |
| 349 Reserved Reserved | |
| 350 Reserved Reserved | |
| 351 Reserved Reserved | |
| 352 Unable to Charge Batteries TRUE if the charger circuit has determined bad batteries or an open circuit in batteries. | n the connections to the |
| 353 Reserved Reserved | |
| 354 Reserved Reserved | |
| 355 Reserved Reserved | |
| 356 Reserved Reserved | |
| 357 Reserved Reserved | |
| 358 Reserved Reserved | |
| 359 Reserved Reserved | |
| 360 Reserved Reserved | |
| 361 Input Breaker Failed TRUE if an input or utility breaker has failed. | |
| 362 Reserved Reserved | |
| 363 Selective Trip Of Module TRUE if a selected power module has failed. | |
| 364 Inverter Output Failure TRUE if the inverter output has failed. | |
| 365 Abnormal Output Voltage At Startup TRUE if output voltage is abnormal at startup. | |
| 366 Rectifier OverTemperature TRUE if the rectifier temperature is above its upper limit. | |
| 367 Configuration Error TRUE if there is a configuration error. | |
| 368 Redundancy Loss Due To Overload TRUE if there is a redundancy loss due to overload. | |
| 369 On Alternate AC Source TRUE if on alternate AC source. | |

| Register Name | | | UPS Status |
|--|----------|--------------------------------------|---|
| TRUE if system notice is active. 372 System Alarm Active TRUE if system alarm is active. 373 Alternate Power Source Not Available TRUE if an alternate power source is not available. 374 Current Balance Failure TRUE if the output is not within specified range. 375 Check Air Filter TRUE if the output is not within specified range. 376 Subsystem Notice Active TRUE if subsystem notice is activated. 377 Subsystem Notice Active TRUE if subsystem notice is activated. 378 Charger Off Command TRUE if the charger on command was issued. 379 Charger Off Command TRUE if the charger off command was issued. 380 UPS Normal TRUE if the UPS is operating normally. 381 Inverter Phase Rotation TRUE if the INPS is operating normally. 382 UPS Module Off TRUE if the inverter phase rotation is activated. 383 UPS Module Off TRUE if the inverter phase rotation is activated. 384 Invalid Board ID TRUE if board ID is invalid. 385 Check Inverter Switchpear TRUE if the output worts has exceeded its upper limit. 386 Output Warts Overload TRUE if check invertor switchpear command was issued. 387 Check Precharge TRUE if check precharge command was issued. 388 Neutrial Current Limit TRUE if the precharge command was issued. 389 Neutral Current Limit TRUE if leave battery switchpear command was issued. 380 UPS No Generator TRUE if leave battery switchpear command was issued. 381 UPS On Generator TRUE if leave battery switchpear command was issued. 382 Rectifier Switchpear TRUE if leave battery switchpear status command was issued. 384 Inverter Switchpear Status TRUE if heacking restrict source mand was issued. 385 Check Rectifier Temperature Trip TRUE if the other switchpear status command was issued. 386 Dynass Switchpear Status TRUE if heacking restrict status command was issued. 387 Battery Switchpear Status TRUE if heacking restrict status command was issued. 388 Rectifier Switchpear Status TRUE if heacking restrict status command was issued. 389 Battery Test in Progress TRUE if beactine is in progress. 400 System T | Register | Name | Description |
| 372 System Alarm Active TRUE if system alarm is active. 373 Alternate Power Source Not Available TRUE if an alternate power source is not available. 374 Current Balance Failure TRUE if the output is not within specified range. 375 Check Air Filter TRUE if check air filter command was issued. 376 Subsystem Nature Active TRUE if subsystem alarm seceeded its upper limit. 377 Subsystem Alarm Active TRUE if subsystem alarm was exceeded its upper limit. 378 Charger On Command TRUE if the charger on command was issued. 379 Charger Off Command TRUE if the charger off command was issued. 380 UPS Normal TRUE if the UPS is operating normally. 381 Invertar Phase Rotation TRUE if the Inverter phase rotation is activated. 382 UPS Module DH TRUE if the UPS module is off. 383 External Communication Failure TRUE if the UPS module is off. 384 Invalid Board ID TRUE if the UPS in operating are command was issued. 385 Check Invertor Switchgear TRUE if charge was exceeded its upper limit 386 Check Procharge TRUE if charge was exceeded its upper limit 387 Chack Procharge TRUE if charge was exceeded its upper limit TRUE if the procharge command was issued. 388 Rectifier Status TRUE if rectifier status command was issued. 389 Neutral Current Limit TRUE if lose battery switchgear command was issued. 390 Close Battery Switchgear TRUE if lose battery switchgear command was issued. 391 UPS On Generator TRUE if UPS is on generator power. 392 Rectifier Over-Temperature Trip TRUE if Inveltifier is over-temperature seasor command was issued. 394 Inverter Switchgear Status TRUE if Inveltifier switchgear status command was issued. 395 Rectifier Switchgear Status TRUE if battery test is in progress. 400 System Test in Progress TRUE if battery test is in progress. 401 Test Aborted TRUE if test is aborted. TRUE if set Sin Evorches its current limit. TRUE if the true thier L2 reaches its current limit. | 370 | In High Efficiency Mode | TRUE if in High Efficiency mode. |
| 373 Alternate Power Source Not Available TRUE if an alternate power source is not available. 374 Curront Balance Failuro TRUE if the output is not within specified range. 375 Check Air Filter TRUE if subsystem notice is activated. 376 Subsystem Notice Active TRUE if subsystem notice is activated. 377 Subsystem Notice Active TRUE if subsystem notice is activated. 378 Charger On Command TRUE if the charger on command was issued. 379 Charger Off Command TRUE if the charger off command was issued. 379 Charger Off Command TRUE if the charger off command was issued. 380 UPS Normal TRUE if the UPS is operating normally. 381 Inverter Phase Rotation TRUE if the UPS module is off. 382 UPS Module Off TRUE if the UPS module is off. 383 External Communication Failure TRUE if external communication has failed. 384 Invalid Board ID TRUE if board ID is invalid. 385 Check Inverter Switchgear TRUE if check inverter switchgear command was issued. 386 Output Watts Overload TRUE if output wats has exceeded its upper limit. 387 Check Precharge TRUE if check precharge command was issued. 388 Rectifier Status TRUE if rectifier status command was issued. 389 Neutral Current Limit TRUE if UPS is operating at maximum enteral current capability. 380 Close Battery Switchgear TRUE if check rectifier temperature associated. 381 UPS on Genorator TRUE if UPS is on generator power. 382 Rectifier Over-Temperature Sensor TRUE if excitier switchgear status command was issued. 384 Inverter Switchgear Status TRUE if rectifier is over-temperature associated. 385 October Rectifier Temperature Sensor TRUE if inverter switchgear status command was issued. 386 Suppass Switchgear Status TRUE if inverter switchgear status command was issued. 387 Rectifier Switchgear Status TRUE if inverter switchgear status command was issued. 388 Battery Switchgear Status TRUE if battery switchgear status command was issued. 389 Battery Switchgear Status TRUE if battery switchgear status command was issued. 390 System Test in Progress TRUE if battery switchgear status com | 371 | System Notice Active | TRUE if system notice is active. |
| TRUE if the output is not within specified range. TRUE if check air filter command was issued. TRUE if subsystem notice is activated. TRUE if subsystem alarm has exceeded its upper limit. TRUE if the charger on command was issued. TRUE if the UPS is operating normally. TRUE if the UPS is operating normally. Inverter Phase Rotation TRUE if the UPS is operating normally. TRUE if the UPS is operating to has failed. TRUE if the UPS module is off. TRUE if the UPS module is off. TRUE if the UPS module is off. TRUE if the ups write in solid. TRUE if the ups write in solid. TRUE if the ups write is activated. TRUE if the ups write is upper limit. TRUE if the ups write is upser limit. TRUE if the upser write is upser limit. TRUE if upser upser upser limit. TRUE if upser upser limit. TRUE if upser upser limit. TRUE if upser upser upser upser limit. TRUE if upser upser upser upser upser limit. TRUE if upser ups | 372 | System Alarm Active | TRUE if system alarm is active. |
| TRUE if check air filter command was issued. 376 Subsystem Notice Active TRUE if subsystem notice is activated. 377 Subsystem Alarm Active TRUE if subsystem notice is activated. 378 Charger On Command TRUE if the charger on command was issued. 379 Charger Off Command TRUE if the charger off command was issued. 380 UPS Normal TRUE if the UPS is operating normally. 381 Inverter Phase Rotation TRUE if the UPS is operating normally. 382 UPS Module Off TRUE if the UPS module is off. 383 External Communication Failure TRUE if the unsulf. 384 Invalid Board ID TRUE if the unsulf. 385 Check Inverter Switchgear TRUE if the unsulf. 386 Output Watts Overload TRUE if output wats has exceeded its upper limit. 387 Check Precharge TRUE if output wats has exceeded its upper limit. 388 Rectifier Status TRUE if check precharge command was issued. 389 Neutral Current Limit TRUE if UPS is operating at maximum neutral current capability. 390 Close Battery Switchgear TRUE if close battery switchgear command was issued. 391 UPS On Generator TRUE if UPS is on generator power. 392 Rectifier Over-Temperature Finp 393 Check Rectifier Temperature Sensor TRUE if frectifier is temperature sensor command was issued. 394 Inverter Switchgear Status TRUE if if rectifier temperature sensor command was issued. 395 Rectifier Switchgear Status TRUE if if the Check rectifier temperature sensor command was issued. 396 Bypass Switchgear Status TRUE if if prectifier is persentatus command was issued. 397 Battery Switchgear Status TRUE if if bypass switchgear status command was issued. 398 Battery Switchgear Status TRUE if battery switchgear status command was issued. 399 Battery Switchgear Status TRUE if battery switchgear status command was issued. 390 System Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if rectifier Iz reaches its current limit. | 373 | Alternate Power Source Not Available | TRUE if an alternate power source is not available. |
| 375 Subsystem Notice Active 376 Subsystem Alarm Active 377 Subsystem Alarm Active 378 Charger On Command 379 Charger Off Command 379 Charger Off Command 370 Charger Off Command 371 TRUE if the charger off command was issued. 379 Charger Off Command 370 Charger Off Command 371 TRUE if the UPS is operating normally. 381 Invarter Phase Rotation 372 UPS Module Off 373 TRUE if the UPS module is off. 374 Invalid Board ID 375 TRUE if the UPS module is off. 376 TRUE if the UPS module is off. 377 TRUE if the UPS module is off. 378 External Communication Failure 379 TRUE if obeat invalid. 380 UPS Module Off 381 External Communication Failure 382 UPS Module Off 383 External Communication Failure 384 Invalid Board ID 385 Check Invarter Switchgaar 386 Output Wats Overload 387 TRUE if obeat invarter switchgaar command was issued. 388 Rectifier Status 389 TRUE if obeat invarter status command was issued. 380 Neutral Current Limit 380 TRUE if UPS is operating at maximum neutral current capability. 380 Close Battery Switchgaar 381 UPS On Generator 382 TRUE if Obeat Status power. 383 Check Rectifier Temperature Trip 384 TRUE if Obeat Status power. 385 TRUE if Obeat Status power. 386 Rectifier Over-Temperature Trip 387 TRUE if Obeat Rectifier is over-temperature. 388 Rectifier Switchgaar Status 389 TRUE if Deteck rectifier is over-temperature sensor command was issued. 380 TRUE if Invarter switchgaar status command was issued. 381 Invarter Switchgaar Status 382 TRUE if Deteck rectifier switchgaar status command was issued. 384 Invarter Switchgaar Status 385 TRUE if Deteck rectifier switchgaar status command was issued. 386 Rectifier Switchgaar Status 387 Battery Switchgaar Status 388 TRUE if battery switchgaar status command was issued. 389 Battery Switchgaar Status 380 TRUE if battery switchgaar status command was issued. 380 Battery Switchgaar Status 380 TRUE if statis is norgeress. 380 TRUE if statis is norgeress. 381 TRUE if statis is norgeress. 384 Invarter Switchgaar S | 374 | Current Balance Failure | TRUE if the output is not within specified range. |
| TRUE if subsystem alarm has exceeded its upper limit. TRUE if the charger on command was issued. TRUE if the charger off command was issued. TRUE if the charger off command was issued. TRUE if the UPS is operating normally. TRUE if the UPS is operating normally. TRUE if the UPS is operating normally. TRUE if the UPS module is off. TRUE if the inverter phase rotation is activated. TRUE if the UPS module is off. TRUE if the UPS module is off. TRUE if the UPS module is off. TRUE if ober inverter switchgear command was issued. TRUE if ober inverter status command was issued. TRUE if UPS is operating at maximum neutral current capability. TRUE if UPS is operating at maximum neutral current capability. TRUE if UPS is operating at maximum neutral current capability. TRUE if UPS is operating at maximum neutral current capability. TRUE if UPS is operating at maximum neutral current capability. TRUE if UPS is on generator power. TRUE if UPS i | 375 | Check Air Filter | TRUE if check air filter command was issued. |
| TRUE if the charger on command was issued. 379 Charger Off Command TRUE if the charger of command was issued. 380 UPS Normal TRUE if the UPS is operating normally. 381 Inverter Phase Rotation TRUE if the UPS is operating normally. 382 UPS Module Off TRUE if the UPS module is off. 383 External Communication Failure TRUE if external communication has failed. 384 Invalid Board ID TRUE if board ID is invalid. 385 Check Inverter Switchgear TRUE if check inverter switchgear command was issued. 386 Output Watts Overload TRUE if output watts has exceeded its upper limit. 387 Check Precharge TRUE if check precharge command was issued. 388 Rectifier Status TRUE if rectifier status command was issued. 389 Neutral Current Limit TRUE if UPS is operating at maximum neutral current capability. 390 Close Battery Switchgear TRUE if close battery switchgear command was issued. 391 UPS On Generator TRUE if UPS is on generator power. 392 Rectifier Over-Temperature Trip TRUE if rectifier is over-temperature. 393 Check Rectifier Temperature Sensor TRUE if check rectifier temperature sensor command was issued. 394 Inverter Switchgear Status TRUE if inverter switchgear status command was issued. 395 Rectifier Switchgear Status TRUE if heatery switchgear status command was issued. 396 Bypass Switchgear Status TRUE if battery switchgear status command was issued. 397 Battery Switchgear Status TRUE if battery switchgear status command was issued. 398 Battery Test in Progress TRUE if battery switchgear status command was issued. 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if test is aborted. 402 Rectifier LI current Limit TRUE if rectifier LI reaches its current limit. | 376 | Subsystem Notice Active | TRUE if subsystem notice is activated. |
| TRUE if the charger off command was issued. 380 UPS Normal TRUE if the UPS is operating normally. 381 Inverter Phase Rotation TRUE if the inverter phase rotation is activated. 382 UPS Module Off TRUE if the UPS module is off. 383 External Communication Failure TRUE if external communication has failed. 384 Invalid Board ID TRUE if board ID is invalid. 385 Check Inverter Switchgear TRUE if check inverter switchgear command was issued. 386 Output Watts Overload TRUE if output watts has exceeded its upper limit. 387 Check Precharge TRUE if check precharge command was issued. 388 Rectifier Status TRUE if rectifier status command was issued. 389 Neutral Current Limit TRUE if UPS is operating at maximum neutral current capability. 390 Close Battery Switchgear TRUE if close battery switchgear command was issued. 391 UPS On Generator TRUE if UPS is on generator power. 392 Rectifier Over-Temperature Trip TRUE if rectifier is over-temperature. 393 Check Rectifier Temperature Sensor TRUE if check rectifier temperature sensor command was issued. 394 Inverter Switchgear Status TRUE if inverter switchgear status command was issued. 395 Rectifier Switchgear Status TRUE if inverter switchgear status command was issued. 396 Bypass Switchgear Status TRUE if battery switchgear status command was issued. 397 Battery Switchgear Status TRUE if battery switchgear status command was issued. 398 Battery Switchgear Status TRUE if battery switchgear status command was issued. 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if test is aborted. 402 Rectifier LI Current Limit TRUE if rectifier LI reaches its current limit. | 377 | Subsystem Alarm Active | TRUE if subsystem alarm has exceeded its upper limit. |
| TRUE if the UPS is operating normally. 381 Inverter Phase Rotation TRUE if the inverter phase rotation is activated. 382 UPS Module Off TRUE if the inverter phase rotation is activated. 383 External Communication Failure TRUE if the UPS module is off. 384 Invalid Board ID TRUE if board ID is invalid. 385 Check Inverter Switchgear TRUE if check inverter switchgear command was issued. 386 Output Watts Overload TRUE if output watts has exceeded its upper limit. 387 Check Precharge TRUE if check precharge command was issued. 388 Rectifier Status TRUE if rectifier status command was issued. 389 Neutral Current Limit TRUE if UPS is operating at maximum neutral current capability. 390 Close Battery Switchgear TRUE if close battery switchgear command was issued. 391 UPS On Generator TRUE if UPS is on generator power. 392 Rectifier Over-Temperature Trip TRUE if rectifier is over-temperature. 393 Check Rectifier Temperature Sensor TRUE if close rectifier temperature sensor command was issued. 394 Inverter Switchgear Status TRUE if inverter switchgear status command was issued. 395 Rectifier Switchgear Status TRUE if inverter switchgear status command was issued. 396 Bypass Switchgear Status TRUE if bypass switchgear status command was issued. 397 Battery Switchgear Status TRUE if bypass switchgear status command was issued. 398 Backfeed Switchgear Status TRUE if bypass switchgear status command was issued. 399 Battery Fest in Progress TRUE if bytass switchgear status command was issued. 399 Battery Test in Progress TRUE if bytass switchgear status command was issued. 390 System Test in Progress TRUE if system test is in progress. 400 System Test in Progress TRUE if system test is in progress. 401 Test Aborted TRUE if rectifier L1 reaches its current limit. | 378 | Charger On Command | TRUE if the charger on command was issued. |
| 381 Inverter Phase Rotation TRUE if the inverter phase rotation is activated. 382 UPS Module Off TRUE if the UPS module is off. 383 External Communication Failure TRUE if external communication has failed. 384 Invalid Board ID TRUE if board ID is invalid. 385 Check Inverter Switchgear TRUE if output watts has exceeded its upper limit. 386 Output Watts Overload TRUE if output watts has exceeded its upper limit. 387 Check Precharge TRUE if retifier status command was issued. 388 Rectifier Status TRUE if retifier status command was issued. 389 Neutral Current Limit TRUE if UPS is operating at maximum neutral current capability. 390 Close Battery Switchgear TRUE if UPS is on generator power. 391 UPS On Generator TRUE if rectifier is over-temperature. 392 Rectifier Over-Temperature Sensor TRUE if check rectifier temperature sensor command was issued. 394 Inverter Switchgear Status TRUE if inverter switchgear status command was issued. 395 Rectifier Switchgear Status TRUE if inverter switchgear status command was issued. 396 Bypass Switchgear Status TRUE if bypass switchgear status command was issued. 397 Battery Switchgear Status TRUE if battery switchgear status command was issued. 398 Backfeed Switchgear Status TRUE if battery switchgear status command was issued. 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if system test is in progress. 401 Test Aborted TRUE if rectifier L1 reaches its current limit. 403 Rectifier L1 Current Limit TRUE if rectifier L2 reaches its current limit. | 379 | Charger Off Command | TRUE if the charger off command was issued. |
| 382 UPS Module Off TRUE if the UPS module is off. 383 External Communication Failure TRUE if external communication has failed. 384 Invalid Board ID TRUE if board ID is invalid. 385 Check Inverter Switchgear TRUE if check inverter switchgear command was issued. 386 Output Watts Overload TRUE if output watts has exceeded its upper limit. 387 Check Precharge TRUE if check precharge command was issued. 388 Rectifier Status TRUE if rectifier status command was issued. 389 Neutral Current Limit TRUE if UPS is operating at maximum neutral current capability. 390 Close Battery Switchgear TRUE if close battery switchgear command was issued. 391 UPS On Generator TRUE if UPS is on generator power. 392 Rectifier Over-Temperature Trip TRUE if rectifier is over-temperature. 393 Check Rectifier Temperature Sensor TRUE if check rectifier temperature sensor command was issued. 394 Inverter Switchgear Status TRUE if inverter switchgear status command was issued. 395 Rectifier Switchgear Status TRUE if inverter switchgear status command was issued. 396 Bypass Switchgear Status TRUE if battery switchgear status command was issued. 397 Battery Switchgear Status TRUE if battery switchgear status command was issued. 398 Backfeed Switchgear Status TRUE if battery switchgear status command was issued. 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if system test is in progress. 401 Test Aborted TRUE if rectifier L1 Current Limit TRUE if rectifier L1 reaches its current limit. | 380 | UPS Normal | TRUE if the UPS is operating normally. |
| 383 External Communication Failure TRUE if external communication has failed. 384 Invalid Board ID TRUE if board ID is invalid. 385 Check Inverter Switchgear TRUE if check inverter switchgear command was issued. 386 Output Watts Overload TRUE if output watts has exceeded its upper limit. 387 Check Precharge TRUE if check precharge command was issued. 388 Rectifier Status TRUE if rectifier status command was issued. 389 Neutral Current Limit TRUE if UPS is operating at maximum neutral current capability. 390 Close Battery Switchgear TRUE if close battery switchgear command was issued. 391 UPS On Generator TRUE if UPS is on generator power. 392 Rectifier Over-Temperature Trip TRUE if rectifier is over-temperature. 393 Check Rectifier Temperature Sensor TRUE if heck rectifier temperature sensor command was issued. 394 Inverter Switchgear Status TRUE if inverter switchgear status command was issued. 395 Rectifier Switchgear Status TRUE if heck rectifier switchgear status command was issued. 396 Bypass Switchgear Status TRUE if battery switchgear status command was issued. 397 Battery Switchgear Status TRUE if battery switchgear status command was issued. 398 Battery Test in Progress TRUE if battery switchgear status command was issued. 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if test is aborted. 402 Rectifier L1 Current Limit TRUE if rectifier L2 reaches its current limit. | 381 | Inverter Phase Rotation | TRUE if the inverter phase rotation is activated. |
| 384 Invalid Board ID TRUE if board ID is invalid. 385 Check Inverter Switchgear TRUE if check inverter switchgear command was issued. 386 Output Watts Overload TRUE if output watts has exceeded its upper limit. 387 Check Precharge TRUE if check precharge command was issued. 388 Rectifier Status TRUE if rectifier status command was issued. 389 Neutral Current Limit TRUE if UPS is operating at maximum neutral current capability. 390 Close Battery Switchgear TRUE if close battery switchgear command was issued. 391 UPS On Generator TRUE if UPS is on generator power. 392 Rectifier Over-Temperature Trip TRUE if rectifier is over-temperature. 393 Check Rectifier Temperature Sensor TRUE if check rectifier temperature sensor command was issued. 394 Inverter Switchgear Status TRUE if inverter switchgear status command was issued. 395 Rectifier Switchgear Status TRUE if fectifier switchgear status command was issued. 396 Bypass Switchgear Status TRUE if bypass switchgear status command was issued. 397 Battery Switchgear Status TRUE if battery switchgear status command was issued. 398 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if system test is in progress. 401 Test Aborted TRUE if rectifier L1 reaches its current limit. 402 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 382 | UPS Module Off | TRUE if the UPS module is off. |
| TRUE if check inverter switchgear command was issued. TRUE if check precharge command was issued. TRUE if output watts has exceeded its upper limit. TRUE if output watts has exceeded its upper limit. TRUE if check precharge command was issued. TRUE if check precharge command was issued. TRUE if could be a secured at the command was issued. TRUE if UPS is operating at maximum neutral current capability. TRUE if UPS is on generator command was issued. TRUE if UPS is on generator power. TRUE if UPS is on generator power. TRUE if the check rectifier is over-temperature. TRUE if check rectifier temperature sensor command was issued. TRUE if check rectifier temperature sensor command was issued. TRUE if inverter switchgear status command was issued. TRUE if rectifier switchgear status command was issued. TRUE if rectifier switchgear status command was issued. TRUE if bypass switchgear status command was issued. TRUE if battery test is in progress. TRUE if system test is in progress. TRUE if system test is in progress. TRUE if test is aborted. TRUE if test is aborted. TRUE if rectifier L1 current Limit. TRUE if rectifier L2 current limit. | 383 | External Communication Failure | TRUE if external communication has failed. |
| TRUE if output watts has exceeded its upper limit. TRUE if check precharge command was issued. TRUE if rectifier status command was issued. TRUE if rectifier status command was issued. TRUE if rectifier status command was issued. TRUE if UPS is operating at maximum neutral current capability. TRUE if UPS is operating at maximum neutral current capability. TRUE if close battery switchgear command was issued. TRUE if UPS is on generator power. TRUE if UPS is on generator power. TRUE if rectifier is over-temperature. TRUE if rectifier is over-temperature. TRUE if check rectifier temperature sensor command was issued. TRUE if inverter switchgear status command was issued. TRUE if inverter switchgear status command was issued. TRUE if rectifier switchgear status command was issued. TRUE if battery test is in progress. TRUE if battery test is in progress. TRUE if system test is in progress. TRUE if rectifier L1 reaches its current limit. TRUE if rectifier L2 reaches its current limit. | 384 | Invalid Board ID | TRUE if board ID is invalid. |
| TRUE if check precharge command was issued. 388 Rectifier Status TRUE if rectifier status command was issued. 389 Neutral Current Limit TRUE if UPS is operating at maximum neutral current capability. 390 Close Battery Switchgear TRUE if close battery switchgear command was issued. 391 UPS On Generator TRUE if UPS is on generator power. 392 Rectifier Over-Temperature Trip TRUE if rectifier is over-temperature. 393 Check Rectifier Temperature Sensor TRUE if check rectifier temperature sensor command was issued. 394 Inverter Switchgear Status TRUE if inverter switchgear status command was issued. 395 Rectifier Switchgear Status TRUE if bypass switchgear status command was issued. 396 Bypass Switchgear Status TRUE if bytass switchgear status command was issued. 397 Battery Switchgear Status TRUE if battery switchgear status command was issued. 398 Backfeed Switchgear Status TRUE if battery switchgear status command was issued. 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if system test is in progress. 401 Test Aborted TRUE if test is aborted. 402 Rectifier L1 Current Limit TRUE if rectifier L2 reaches its current limit. 403 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 385 | Check Inverter Switchgear | TRUE if check inverter switchgear command was issued. |
| 388 Rectifier Status TRUE if rectifier status command was issued. 389 Neutral Current Limit TRUE if UPS is operating at maximum neutral current capability. 390 Close Battery Switchgear TRUE if close battery switchgear command was issued. 391 UPS On Generator TRUE if UPS is on generator power. 392 Rectifier Over-Temperature Trip TRUE if rectifier is over-temperature. 393 Check Rectifier Temperature Sensor TRUE if check rectifier temperature sensor command was issued. 394 Inverter Switchgear Status TRUE if inverter switchgear status command was issued. 395 Rectifier Switchgear Status TRUE if pass switchgear status command was issued. 396 Bypass Switchgear Status TRUE if bypass switchgear status command was issued. 397 Battery Switchgear Status TRUE if battery switchgear status command was issued. 398 Backfeed Switchgear Status TRUE if battery switchgear status command was issued. 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if test is aborted. 402 Rectifier L1 Current Limit TRUE if rectifier L1 reaches its current limit. 403 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 386 | Output Watts Overload | TRUE if output watts has exceeded its upper limit. |
| 389 Neutral Current Limit TRUE if UPS is operating at maximum neutral current capability. 390 Close Battery Switchgear TRUE if close battery switchgear command was issued. 391 UPS On Generator TRUE if UPS is on generator power. 392 Rectifier Over-Temperature Trip TRUE if rectifier is over-temperature. 393 Check Rectifier Temperature Sensor TRUE if check rectifier temperature sensor command was issued. 394 Inverter Switchgear Status TRUE if inverter switchgear status command was issued. 395 Rectifier Switchgear Status TRUE if rectifier switchgear status command was issued. 396 Bypass Switchgear Status TRUE if bypass switchgear status command was issued. 397 Battery Switchgear Status TRUE if battery switchgear status command was issued. 398 Backfeed Switchgear Status TRUE if backfeed switchgear status command was issued. 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if system test is in progress. 401 Test Aborted TRUE if rectifier L1 reaches its current limit. 402 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 387 | Check Precharge | TRUE if check precharge command was issued. |
| TRUE if close battery switchgear command was issued. 391 UPS On Generator TRUE if UPS is on generator power. 392 Rectifier Over-Temperature Trip TRUE if rectifier is over-temperature. 393 Check Rectifier Temperature Sensor TRUE if check rectifier temperature sensor command was issued. 394 Inverter Switchgear Status TRUE if inverter switchgear status command was issued. 395 Rectifier Switchgear Status TRUE if perctifier switchgear status command was issued. 396 Bypass Switchgear Status TRUE if bypass switchgear status command was issued. 397 Battery Switchgear Status TRUE if battery switchgear status command was issued. 398 Backfeed Switchgear Status TRUE if backfeed switchgear status command was issued. 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if system test is in progress. 401 Test Aborted TRUE if test is aborted. 402 Rectifier L1 Current Limit TRUE if rectifier L1 reaches its current limit. 403 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 388 | Rectifier Status | TRUE if rectifier status command was issued. |
| 391 UPS On Generator TRUE if UPS is on generator power. 392 Rectifier Over-Temperature Trip TRUE if rectifier is over-temperature. 393 Check Rectifier Temperature Sensor TRUE if check rectifier temperature sensor command was issued. 394 Inverter Switchgear Status TRUE if inverter switchgear status command was issued. 395 Rectifier Switchgear Status TRUE if rectifier switchgear status command was issued. 396 Bypass Switchgear Status TRUE if bypass switchgear status command was issued. 397 Battery Switchgear Status TRUE if battery switchgear status command was issued. 398 Backfeed Switchgear Status TRUE if backfeed switchgear status command was issued. 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if system test is in progress. 401 Test Aborted TRUE if test is aborted. 402 Rectifier L1 Current Limit TRUE if rectifier L1 reaches its current limit. 403 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 389 | Neutral Current Limit | TRUE if UPS is operating at maximum neutral current capability. |
| 392 Rectifier Over-Temperature Trip TRUE if rectifier is over-temperature. 393 Check Rectifier Temperature Sensor TRUE if check rectifier temperature sensor command was issued. 394 Inverter Switchgear Status TRUE if inverter switchgear status command was issued. 395 Rectifier Switchgear Status TRUE if rectifier switchgear status command was issued. 396 Bypass Switchgear Status TRUE if bypass switchgear status command was issued. 397 Battery Switchgear Status TRUE if battery switchgear status command was issued. 398 Backfeed Switchgear Status TRUE if backfeed switchgear status command was issued. 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if system test is in progress. 401 Test Aborted TRUE if test is aborted. 402 Rectifier L1 Current Limit TRUE if rectifier L1 reaches its current limit. 403 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 390 | Close Battery Switchgear | TRUE if close battery switchgear command was issued. |
| 393 Check Rectifier Temperature Sensor TRUE if check rectifier temperature sensor command was issued. 394 Inverter Switchgear Status TRUE if inverter switchgear status command was issued. 395 Rectifier Switchgear Status TRUE if rectifier switchgear status command was issued. 396 Bypass Switchgear Status TRUE if bypass switchgear status command was issued. 397 Battery Switchgear Status TRUE if battery switchgear status command was issued. 398 Backfeed Switchgear Status TRUE if backfeed switchgear status command was issued. 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if system test is in progress. 401 Test Aborted TRUE if test is aborted. 402 Rectifier L1 Current Limit TRUE if rectifier L2 reaches its current limit. 403 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 391 | UPS On Generator | TRUE if UPS is on generator power. |
| TRUE if inverter switchgear status command was issued. TRUE if rectifier switchgear status command was issued. TRUE if bypass switchgear status command was issued. TRUE if bypass switchgear status command was issued. TRUE if battery switchgear status command was issued. TRUE if battery switchgear status command was issued. TRUE if backfeed switchgear status command was issued. TRUE if backfeed switchgear status command was issued. TRUE if battery test is in progress. TRUE if battery test is in progress. TRUE if system test is in progress. TRUE if test is aborted. TRUE if test is aborted. TRUE if rectifier L1 current Limit TRUE if rectifier L2 reaches its current limit. TRUE if rectifier L2 reaches its current limit. | 392 | Rectifier Over-Temperature Trip | TRUE if rectifier is over-temperature. |
| 395 Rectifier Switchgear Status TRUE if rectifier switchgear status command was issued. 396 Bypass Switchgear Status TRUE if bypass switchgear status command was issued. 397 Battery Switchgear Status TRUE if battery switchgear status command was issued. 398 Backfeed Switchgear Status TRUE if backfeed switchgear status command was issued. 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if system test is in progress. 401 Test Aborted TRUE if test is aborted. 402 Rectifier L1 Current Limit TRUE if rectifier L1 reaches its current limit. 403 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 393 | Check Rectifier Temperature Sensor | TRUE if check rectifier temperature sensor command was issued. |
| 396 Bypass Switchgear Status TRUE if bypass switchgear status command was issued. 397 Battery Switchgear Status TRUE if battery switchgear status command was issued. 398 Backfeed Switchgear Status TRUE if backfeed switchgear status command was issued. 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if system test is in progress. 401 Test Aborted TRUE if test is aborted. 402 Rectifier L1 Current Limit TRUE if rectifier L1 reaches its current limit. 403 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 394 | Inverter Switchgear Status | TRUE if inverter switchgear status command was issued. |
| 397 Battery Switchgear Status TRUE if battery switchgear status command was issued. 398 Backfeed Switchgear Status TRUE if backfeed switchgear status command was issued. 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if system test is in progress. 401 Test Aborted TRUE if test is aborted. 402 Rectifier L1 Current Limit TRUE if rectifier L1 reaches its current limit. 403 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 395 | Rectifier Switchgear Status | TRUE if rectifier switchgear status command was issued. |
| 398 Backfeed Switchgear Status TRUE if backfeed switchgear status command was issued. 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if system test is in progress. 401 Test Aborted TRUE if test is aborted. 402 Rectifier L1 Current Limit TRUE if rectifier L1 reaches its current limit. 403 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 396 | Bypass Switchgear Status | TRUE if bypass switchgear status command was issued. |
| 399 Battery Test in Progress TRUE if battery test is in progress. 400 System Test in Progress TRUE if system test is in progress. 401 Test Aborted TRUE if test is aborted. 402 Rectifier L1 Current Limit TRUE if rectifier L1 reaches its current limit. 403 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 397 | Battery Switchgear Status | TRUE if battery switchgear status command was issued. |
| 400 System Test in Progress TRUE if system test is in progress. 401 Test Aborted TRUE if test is aborted. 402 Rectifier L1 Current Limit TRUE if rectifier L1 reaches its current limit. 403 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 398 | Backfeed Switchgear Status | TRUE if backfeed switchgear status command was issued. |
| 401 Test Aborted TRUE if test is aborted. 402 Rectifier L1 Current Limit TRUE if rectifier L1 reaches its current limit. 403 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 399 | Battery Test in Progress | TRUE if battery test is in progress. |
| 402 Rectifier L1 Current Limit TRUE if rectifier L1 reaches its current limit. 403 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 400 | System Test in Progress | TRUE if system test is in progress. |
| 403 Rectifier L2 Current Limit TRUE if rectifier L2 reaches its current limit. | 401 | Test Aborted | TRUE if test is aborted. |
| | 402 | Rectifier L1 Current Limit | TRUE if rectifier L1 reaches its current limit. |
| 404 Rectifier L3 Current Limit TRUE if rectifier L3 reaches its current limit. | 403 | Rectifier L2 Current Limit | TRUE if rectifier L2 reaches its current limit. |
| | 404 | Rectifier L3 Current Limit | TRUE if rectifier L3 reaches its current limit. |

| Register Name | | | | |
|--|---|--|--|--|
| 406 Modem Call Aborted TRUE if modem call is aborted. 407 Transformer OverTemperature Warning TRUE if transformer over temperature warning notice. 408 Output Line Voltage Loss TRUE if output line has a voltage loss. 409 Input L1 High THD TRUE if THD is high for input L1. 410 Input L2 High THD TRUE if THD is high for input L2. 411 Input L3 High THD TRUE if THD is high for output L1. 412 Output L1 High THD TRUE if THD is high for output L1. 413 Output L2 High THD TRUE if THD is high for output L2. 414 Output L3 High THD TRUE if THD is high for output L2. 415 Neutral Overload Warning TRUE if neutral overload warning notice. 416 Neutral Overload TRUE if neutral has exceeded its upper limit. 417 Ground Current Warning TRUE if ground current warning notice. 418 Ground Current Overload TRUE if input voltage L1 THD warning notice. 420 Input Voltage L2 THD Warning TRUE if input voltage L2 THD warning notice. 421 Input Voltage L3 THD Warning TRUE if input voltage L3 THD warning notice. 422 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 423 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L1 THD Warning TRUE if output current L3 THD warning notice. 426 Output Voltage L3 THD Warning TRUE if output current L3 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Voltage L3 THD Warning TRUE if output current L1 THD warning notice. 429 Output Voltage L3 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. | Description | | | |
| 407 Transformer OverTemperature Warning 408 Output Line Voltage Loss 409 Input L1 High THD 410 TRUE if THD is high for input L1. 411 Input L2 High THD 412 Output L1 High THD 413 Output L2 High THD 414 Output L2 High THD 415 TRUE if THD is high for output L1. 416 Output L2 High THD 417 TRUE if THD is high for output L1. 418 Output L2 High THD 419 TRUE if THD is high for output L2. 410 Output L3 High THD 410 TRUE if THD is high for output L2. 411 Output L3 High THD 412 Output L3 High THD 413 Output L3 High THD 414 Output L3 High THD 415 Neutral Overload Warning 416 Neutral Overload Warning 417 Ground Current Warning 418 Ground Current Warning 419 Input Voltage L1 THD Warning 410 Input Voltage L1 THD Warning 411 Input Voltage L2 THD Warning 412 Input Voltage L3 THD Warning 413 Input Voltage L3 THD Warning 414 Input Current L3 THD Warning 415 Input Current L3 THD Warning 416 Input Current L3 THD Warning 417 Input Current L3 THD Warning 418 Input Current L3 THD Warning 420 Output Voltage L1 THD Warning 421 Input Current L3 THD Warning 422 Output Voltage L1 THD Warning 423 Output Voltage L2 THD Warning 424 Output Voltage L3 THD Warning 425 Output Voltage L3 THD Warning 426 Output Voltage L3 THD Warning 427 Output Voltage L3 THD Warning 428 Output Voltage L3 THD Warning 429 Output Current L1 THD Warning 429 Output Current L1 THD Warning 429 Output Current L1 THD Warning 429 Output Current L2 THD Warning 420 Output Current L2 THD Warning 420 Output Current L2 THD Warning 421 Output Current L2 THD Warning 422 Output Current L2 THD Warning 423 Output Current L2 THD Warning 424 Output Current L2 THD Warning 425 Output Cur | TRUE if not enough UPMs are ready. | | | |
| 408 Output Line Voltage Loss TRUE if output line has a voltage loss. 409 Input L1 High THD TRUE if THD is high for input L1. 410 Input L2 High THD TRUE if THD is high for input L2. 411 Input L3 High THD TRUE if THD is high for output L3. 412 Output L1 High THD TRUE if THD is high for output L1. 413 Output L2 High THD TRUE if THD is high for output L2. 414 Output L3 High THD TRUE if THD is high for output L3. 415 Neutral Overload Warning TRUE if neutral overload warning notice. 416 Neutral Overload TRUE if neutral has exceeded its upper limit. 417 Ground Current Warning TRUE if ground current warning notice. 418 Ground Current Overload TRUE if ground current has exceeded its upper limit. 419 Input Voltage L1 THD Warning TRUE if input voltage L1 THD warning notice. 420 Input Voltage L2 THD Warning TRUE if input voltage L3 THD warning notice. 421 Input Current L1 THD Warning TRUE if input current L1 THD warning notice. 422 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 423 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 426 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output voltage L3 THD warning notice. 429 Output Current L1 THD Warning TRUE if output voltage L3 THD warning notice. | | | | |
| A09 Input L1 High THD TRUE if THD is high for input L1. 410 Input L2 High THD TRUE if THD is high for input L2. 411 Input L3 High THD TRUE if THD is high for input L3. 412 Output L1 High THD TRUE if THD is high for output L1. 413 Output L2 High THD TRUE if THD is high for output L2. 414 Output L3 High THD TRUE if THD is high for output L3. 415 Neutral Overload Warning TRUE if neutral overload warning notice. 416 Neutral Overload TRUE if neutral has exceeded its upper limit. 417 Ground Current Warning TRUE if ground current warning notice. 418 Ground Current Overload TRUE if ground current has exceeded its upper limit. 419 Input Voltage L1 THD Warning TRUE if input voltage L1 THD warning notice. 420 Input Voltage L2 THD Warning TRUE if input voltage L3 THD warning notice. 421 Input Current L1 THD Warning TRUE if input current L1 THD warning notice. 422 Input Current L2 THD Warning TRUE if input current L2 THD warning notice. 423 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 426 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output voltage L3 THD warning notice. 429 Output Current L1 THD Warning TRUE if output voltage L3 THD warning notice. | | | | |
| 410 Input L2 High THD TRUE if THD is high for input L2. 411 Input L3 High THD TRUE if THD is high for input L3. 412 Output L1 High THD TRUE if THD is high for output L1. 413 Output L2 High THD TRUE if THD is high for output L2. 414 Output L3 High THD TRUE if THD is high for output L3. 415 Neutral Overload Warning TRUE if neutral overload warning notice. 416 Neutral Overload TRUE if neutral has exceeded its upper limit. 417 Ground Current Warning TRUE if ground current warning notice. 418 Ground Current Overload TRUE if ground current has exceeded its upper limit. 419 Input Voltage L1 THD Warning TRUE if input voltage L1 THD warning notice. 420 Input Voltage L2 THD Warning TRUE if input voltage L3 THD warning notice. 421 Input Current L1 THD Warning TRUE if input current L1 THD warning notice. 422 Input Current L2 THD Warning TRUE if input current L1 THD warning notice. 423 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L3 THD Warning TRUE if output voltage L1 THD warning notice. 426 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output voltage L3 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L1 THD warning notice. | TRUE if output line has a voltage loss. | | | |
| 411 Input L3 High THD TRUE if THD is high for input L3. 412 Output L1 High THD TRUE if THD is high for output L1. 413 Output L2 High THD TRUE if THD is high for output L2. 414 Output L3 High THD TRUE if THD is high for output L3. 415 Neutral Overload Warning TRUE if neutral overload warning notice. 416 Neutral Overload TRUE if neutral has exceeded its upper limit. 417 Ground Current Warning TRUE if ground current warning notice. 418 Ground Current Overload TRUE if ground current has exceeded its upper limit. 419 Input Voltage L1 THD Warning TRUE if input voltage L1 THD warning notice. 420 Input Voltage L2 THD Warning TRUE if input voltage L3 THD warning notice. 421 Input Voltage L3 THD Warning TRUE if input voltage L3 THD warning notice. 422 Input Current L1 THD Warning TRUE if input current L1 THD warning notice. 423 Input Current L2 THD Warning TRUE if input current L2 THD warning notice. 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L1 THD Warning TRUE if output voltage L1 THD warning notice. 426 Output Voltage L2 THD Warning TRUE if output voltage L2 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output voltage L3 THD warning notice. 429 Output Current L1 THD Warning TRUE if output voltage L3 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L1 THD warning notice. | | | | |
| 412 Output L1 High THD TRUE if THD is high for output L1. 413 Output L2 High THD TRUE if THD is high for output L2. 414 Output L3 High THD TRUE if THD is high for output L3. 415 Neutral Overload Warning TRUE if neutral overload warning notice. 416 Neutral Overload TRUE if neutral has exceeded its upper limit. 417 Ground Current Warning TRUE if ground current warning notice. 418 Ground Current Overload TRUE if ground current has exceeded its upper limit. 419 Input Voltage L1 THD Warning TRUE if input voltage L1 THD warning notice. 420 Input Voltage L2 THD Warning TRUE if input voltage L3 THD warning notice. 421 Input Voltage L3 THD Warning TRUE if input current L1 THD warning notice. 422 Input Current L1 THD Warning TRUE if input current L2 THD warning notice. 423 Input Current L2 THD Warning TRUE if input current L3 THD warning notice. 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L1 THD Warning TRUE if output voltage L1 THD warning notice. 426 Output Voltage L2 THD Warning TRUE if output voltage L3 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output current L1 THD warning notice. 428 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L1 THD warning notice. | | | | |
| 413 Output L2 High THD TRUE if THD is high for output L2. 414 Output L3 High THD TRUE if THD is high for output L3. 415 Neutral Overload Warning TRUE if neutral overload warning notice. 416 Neutral Overload TRUE if neutral has exceeded its upper limit. 417 Ground Current Warning TRUE if ground current warning notice. 418 Ground Current Overload TRUE if ground current has exceeded its upper limit. 419 Input Voltage L1 THD Warning TRUE if input voltage L1 THD warning notice. 420 Input Voltage L2 THD Warning TRUE if input voltage L3 THD warning notice. 421 Input Voltage L3 THD Warning TRUE if input voltage L3 THD warning notice. 422 Input Current L1 THD Warning TRUE if input current L1 THD warning notice. 423 Input Current L2 THD Warning TRUE if input current L2 THD warning notice. 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L1 THD Warning TRUE if output voltage L1 THD warning notice. 426 Output Voltage L2 THD Warning TRUE if output voltage L2 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output voltage L3 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L2 THD warning notice. | | | | |
| 414 Output L3 High THD TRUE if THD is high for output L3. 415 Neutral Overload Warning TRUE if neutral overload warning notice. 416 Neutral Overload TRUE if neutral has exceeded its upper limit. 417 Ground Current Warning TRUE if ground current warning notice. 418 Ground Current Overload TRUE if ground current has exceeded its upper limit. 419 Input Voltage L1 THD Warning TRUE if input voltage L1 THD warning notice. 420 Input Voltage L2 THD Warning TRUE if input voltage L2 THD warning notice. 421 Input Voltage L3 THD Warning TRUE if input voltage L3 THD warning notice. 422 Input Current L1 THD Warning TRUE if input current L1 THD warning notice. 423 Input Current L2 THD Warning TRUE if input current L2 THD warning notice. 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L1 THD Warning TRUE if output voltage L1 THD warning notice. 426 Output Voltage L2 THD Warning TRUE if output voltage L2 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output voltage L3 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L2 THD warning notice. | | | | |
| 415 Neutral Overload Warning TRUE if neutral overload warning notice. 416 Neutral Overload TRUE if neutral has exceeded its upper limit. 417 Ground Current Warning TRUE if ground current warning notice. 418 Ground Current Overload TRUE if ground current has exceeded its upper limit. 419 Input Voltage L1 THD Warning TRUE if input voltage L1 THD warning notice. 420 Input Voltage L2 THD Warning TRUE if input voltage L2 THD warning notice. 421 Input Voltage L3 THD Warning TRUE if input current L1 THD warning notice. 422 Input Current L1 THD Warning TRUE if input current L2 THD warning notice. 423 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L1 THD Warning TRUE if output voltage L1 THD warning notice. 426 Output Voltage L2 THD Warning TRUE if output voltage L3 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L1 THD warning notice. | | | | |
| TRUE if neutral has exceeded its upper limit. 417 Ground Current Warning TRUE if ground current warning notice. 418 Ground Current Overload TRUE if ground current has exceeded its upper limit. 419 Input Voltage L1 THD Warning TRUE if input voltage L1 THD warning notice. 420 Input Voltage L2 THD Warning TRUE if input voltage L2 THD warning notice. 421 Input Voltage L3 THD Warning TRUE if input current L1 THD warning notice. 422 Input Current L1 THD Warning TRUE if input current L2 THD warning notice. 423 Input Current L2 THD Warning TRUE if input current L3 THD warning notice. 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L1 THD Warning TRUE if output voltage L1 THD warning notice. 426 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L1 THD warning notice. | | | | |
| 417 Ground Current Warning TRUE if ground current warning notice. 418 Ground Current Overload TRUE if ground current has exceeded its upper limit. 419 Input Voltage L1 THD Warning TRUE if input voltage L1 THD warning notice. 420 Input Voltage L2 THD Warning TRUE if input voltage L3 THD warning notice. 421 Input Current L1 THD Warning TRUE if input current L1 THD warning notice. 422 Input Current L2 THD Warning TRUE if input current L2 THD warning notice. 423 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L1 THD Warning TRUE if output voltage L1 THD warning notice. 426 Output Voltage L3 THD Warning TRUE if output voltage L2 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L1 THD warning notice. | | | | |
| TRUE if ground current has exceeded its upper limit. 419 Input Voltage L1 THD Warning TRUE if input voltage L1 THD warning notice. 420 Input Voltage L2 THD Warning TRUE if input voltage L2 THD warning notice. 421 Input Voltage L3 THD Warning TRUE if input voltage L3 THD warning notice. 422 Input Current L1 THD Warning TRUE if input current L1 THD warning notice. 423 Input Current L2 THD Warning TRUE if input current L2 THD warning notice. 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L1 THD Warning TRUE if output voltage L1 THD warning notice. 426 Output Voltage L2 THD Warning TRUE if output voltage L2 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L2 THD warning notice. | | | | |
| 419 Input Voltage L1 THD Warning TRUE if input voltage L2 THD warning notice. 420 Input Voltage L2 THD Warning TRUE if input voltage L2 THD warning notice. 421 Input Voltage L3 THD Warning TRUE if input voltage L3 THD warning notice. 422 Input Current L1 THD Warning TRUE if input current L1 THD warning notice. 423 Input Current L2 THD Warning TRUE if input current L3 THD warning notice. 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L1 THD Warning TRUE if output voltage L1 THD warning notice. 426 Output Voltage L2 THD Warning TRUE if output voltage L2 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L2 THD warning notice. | | | | |
| 420 Input Voltage L2 THD Warning TRUE if input voltage L3 THD warning notice. 421 Input Current L1 THD Warning TRUE if input current L1 THD warning notice. 422 Input Current L2 THD Warning TRUE if input current L2 THD warning notice. 423 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L1 THD Warning TRUE if output voltage L1 THD warning notice. 426 Output Voltage L2 THD Warning TRUE if output voltage L2 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L2 THD warning notice. | | | | |
| 421 Input Voltage L3 THD Warning TRUE if input voltage L3 THD warning notice. 422 Input Current L1 THD Warning TRUE if input current L1 THD warning notice. 423 Input Current L2 THD Warning TRUE if input current L2 THD warning notice. 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L1 THD Warning TRUE if output voltage L1 THD warning notice. 426 Output Voltage L2 THD Warning TRUE if output voltage L2 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L2 THD warning notice. | | | | |
| 422 Input Current L1 THD Warning TRUE if input current L1 THD warning notice. 423 Input Current L2 THD Warning TRUE if input current L2 THD warning notice. 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L1 THD Warning TRUE if output voltage L1 THD warning notice. 426 Output Voltage L2 THD Warning TRUE if output voltage L2 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L2 THD warning notice. | | | | |
| 423 Input Current L2 THD Warning TRUE if input current L2 THD warning notice. 424 Input Current L3 THD Warning TRUE if output current L3 THD warning notice. 425 Output Voltage L1 THD Warning TRUE if output voltage L1 THD warning notice. 426 Output Voltage L2 THD Warning TRUE if output voltage L2 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L2 THD warning notice. | | | | |
| 424 Input Current L3 THD Warning TRUE if input current L3 THD warning notice. 425 Output Voltage L1 THD Warning TRUE if output voltage L1 THD warning notice. 426 Output Voltage L2 THD Warning TRUE if output voltage L2 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L2 THD warning notice. | | | | |
| 425 Output Voltage L1 THD Warning TRUE if output voltage L1 THD warning notice. 426 Output Voltage L2 THD Warning TRUE if output voltage L2 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L2 THD warning notice. | | | | |
| 426 Output Voltage L2 THD Warning TRUE if output voltage L2 THD warning notice. 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L2 THD warning notice. | | | | |
| 427 Output Voltage L3 THD Warning TRUE if output voltage L3 THD warning notice. 428 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L2 THD warning notice. | | | | |
| 428 Output Current L1 THD Warning TRUE if output current L1 THD warning notice. 429 Output Current L2 THD Warning TRUE if output current L2 THD warning notice. | | | | |
| 429 Output Current L2 THD Warning TRUE if output current L2 THD warning notice. | | | | |
| | | | | |
| 430 Output Current L3 THD Warning TRUE if output current L3 THD warning notice. | | | | |
| | | | | |
| 431 L1 Voltage Phase Loss TRUE if L1 has a voltage phase loss. | | | | |
| 432 L2 Voltage Phase Loss TRUE if L2 has a voltage phase loss. | | | | |
| 433 L3 Voltage Phase Loss TRUE if L3 has a voltage phase loss. | | | | |
| 434 L1 Under Voltage TRUE if L1 voltage is less than the lower voltage limit. | | | | |
| 435 L2 Under Voltage TRUE if L2 voltage is less than the lower voltage limit. | | | | |
| 436 L3 Under Voltage TRUE if L3 voltage is less than the lower voltage limit. | | | | |
| 437 L1 Over Voltage TRUE if L1 voltage has exceeded the upper voltage limit. | | | | |
| 438 L2 Over Voltage TRUE if L2 voltage has exceeded the upper voltage limit. | | | | |
| 439 L3 Over Voltage TRUE if L3 voltage has exceeded the upper voltage limit. | | | | |

| Manic Description TRUE if the der frequency warning notice. | | | UPS Status | | | |
|--|----------|---------------------------------------|--|--|--|--|
| 410 Over Frequency Warning TRUE if over frequency warning notice. 412 Branch Circuit Overload Warning TRUE if a branch circuit overload warning notice TRUE if the branch circuit has exceeded its upper limit. 414 Branch Circuit CT Disconnected TRUE if the main circuit breaker overload warning notice. 415 Main Circuit Breaker Overload Warning TRUE if the main circuit breaker overload warning notice. 416 Main Circuit Breaker Overload Warning TRUE if the main circuit breaker overload warning notice. 417 Primary Breaker Overload 418 Primary Breaker Tripped TRUE if the primary breaker is open. 419 Secondary Breaker Tripped TRUE if the secondary breaker is tripped. 429 Secondary Breaker Tripped TRUE if the secondary breaker is tripped. 430 Secondary Breaker Tripped TRUE if the secondary breaker is tripped. 431 Neutral Fault TRUE if a neutral fault. 432 Output Phase Rotation TRUE if a maintenance isolation is activated. 433 Maintenance Bypass Breaker Failure 444 Maintenance Bypass Breaker Failure 455 Manual Bypass Switch Failure 456 Panel 1 Breaker Open TRUE if the Panel 1 breaker is open. 457 Panel 2 Breaker Open TRUE if the Panel 1 breaker is open. 458 Panel 3 Breaker Open TRUE if the Panel 2 breaker is open. 459 Panel 4 Breaker Open TRUE if the Panel 5 breaker is open. 460 Panel 5 Breaker Open TRUE if the Panel 5 breaker is open. 461 Panel 5 Breaker Open TRUE if the Panel 5 breaker is open. 462 Panel 7 Breaker Open TRUE if the Panel 8 breaker is open. 463 Multiplu Inputs Tied Together TRUE if the Panel 8 breaker is open. 464 Nutliplu Inputs Tied Together TRUE if the Panel 8 breaker is open. 465 Maintenance Short Circuit TRUE if the bypass vertage is out of range. 476 Nutliplu Inputs Tied Together TRUE if the bypass vertage is out of range. 477 Nutlie inverter Short Circuit TRUE if the bypass vertage is out of range. 478 Bypass Phase Out of Range 479 Bypass Vertage Out of Range 470 Bypass Vertage Out of Range 471 Bypass Vertage Out of Range 472 Ambient Humidity H | Register | Name | Description | | | |
| 442 Branch Circuit Overload Werning 443 Branch Circuit Overload 444 Branch Circuit CT Disconnected 445 Branch Circuit CT Disconnected 446 Branch Circuit CT Disconnected 447 Main Circuit Breaker Overload Warning 448 Main Circuit Breaker Overload Warning 449 Main Circuit Breaker Overload Warning 440 Main Circuit Breaker Overload 440 Main Circuit Breaker Overload 441 Primary Breaker Open 442 Primary Breaker Open 443 Primary Breaker Open 444 Primary Breaker Open 445 Secondary Breaker Open 446 Primary Breaker Open 447 Primary Breaker Open 448 Secondary Breaker Open 449 Secondary Breaker Open 440 Secondary Breaker Tripped 450 Secondary Breaker Tripped 451 Neutral Fault 452 Output Phase Rotation 453 Maintenance Isolation Switch Failure 454 Maintenance Bypass Breaker Failure 455 Manual Bypass Switch On 456 Panel 1 Breaker Open 457 Panel 2 Breaker Open 458 Panel 3 Breaker Open 459 Panel 2 Breaker Open 460 Panel 5 Breaker Open 460 Panel 5 Breaker Open 461 Panel 6 Breaker Open 462 Panel 7 Breaker Open 463 Panel 8 Breaker Open 464 Multiple Inputs Title Topen 465 Panel 8 Breaker Open 466 Panel 9 Breaker Open 478 Panel 8 Breaker Open 479 Panel 8 Breaker Open 480 Panel 8 Breaker Open 481 Panel 8 Breaker Open 482 Panel 8 Breaker Open 483 Panel 8 Breaker Open 484 Multiple Inputs Title Topen 485 Panel 8 Breaker Open 486 Panel 8 Breaker Open 487 Panel 8 Breaker Open 488 Panel 8 Breaker Open 489 Panel 8 Breaker Open 480 Panel 8 Breaker Open 480 Panel 8 Breaker Open 480 Panel 8 Breaker Open 481 Panel 8 Breaker Open 482 Panel 8 Breaker Open 484 Multiple Inputs Title Topether 485 Battery Over Temperature 486 Bypass Overload 487 Inverter Short Circuit 488 Bypass Overload 489 Bypass Vottage Out of Range 480 Bypass Vottage Out of Range 481 Bypass Vottage Out of Range 482 Panel 8 Bypass Vottage Out of Range 483 Bypass Vottage Out of Range 484 Bypass Vottage Out of Range 485 Bypass Vottage Out of Range 486 Bypass Vottage Out of Range 487 Bypass Pharmal Overload 488 Bypass Pharmal Overload 489 Bypass Vottage Out of Range 480 Bypass Vottage | 440 | Under Frequency Warning | TRUE if under frequency warning notice. | | | |
| Has branch Circuit Derload TRUE if branch circuit CT is disconnected. TRUE if the branch circuit CT is disconnected. TRUE if the branch circuit CT is disconnected. TRUE if the main circuit breaker overload warning notice. TRUE if the main circuit breaker has exceeded its upper limit. TRUE if the primary breaker is open. TRUE if the primary breaker is ripped. TRUE if the primary breaker is open. TRUE if the secondary breaker is ripped. TRUE if the secondary breaker is ripped. TRUE if the secondary breaker is open. TRUE if the secondary breaker is open. TRUE if the secondary breaker is ripped. TRUE if a neutral fealt. TRUE if the panel breaker fealure. TRUE if the Panel breaker fealure. TRUE if the Panel breaker fealure. TRUE if the Panel breaker is open. TRUE if the breaker breaker is open. TRUE if the breaker breaker is open. TRUE if the breaker breaker is open. TR | 441 | Over Frequency Warning | TRUE if over frequency warning notice. | | | |
| TRUE if the branch circuit CT is disconnected. 445 Main Circuit Breaker Overload Warning TRUE if a main circuit breaker overload warning notice. 446 Main Circuit Breaker Open TRUE if the main circuit breaker is open. 447 Primary Breaker Open TRUE if the primary breaker is open. 448 Primary Breaker Tripped TRUE if the primary breaker is open. 449 Secondary Breaker Open TRUE if the secondary breaker is tripped. 450 Secondary Breaker Tripped TRUE if the secondary breaker is tripped. 451 Nautral Faut TRUE if the secondary breaker is tripped. 452 Output Phase Rotation TRUE if output phase rotation is activated. 453 Maintenance Isolation Switch Failure TRUE if a maintenance isolation switch failure. 454 Maintenance Sypass Breaker Failure TRUE if a maintenance isolation switch failure. 455 Manual Bypass Switch On TRUE if maintenance isolation switch failure. 456 Panel 1 Breaker Open TRUE if the Panel 1 breaker is open. 457 Panel 2 Breaker Open TRUE if the Panel 3 breaker is open. 458 Panel 3 Breaker Open TRUE if the Panel 3 breaker is open. 459 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 460 Panel 5 Breaker Open TRUE if the Panel 6 breaker is open. 461 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 462 Panel 7 Breaker Open TRUE if the Panel 8 breaker is open. 463 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 464 Multiple Inputs Tied Together TRUE if maintenance isolation secondary breaker is open. 465 Panel 8 Breaker Open TRUE if the banel 6 breaker is open. 466 Panel 8 Breaker Open TRUE if the banel 6 breaker is open. 467 Invertor Short Circuit TRUE if the battery operating temperature has been exceeded. 468 Invertor Overload TRUE if the buyeas sevended its upper limit. 469 Bypass Phase Out of Range TRUE if the bypass voltage is out of range. 470 Bypass Phase Out of Range TRUE if the bypass sevended the upper voltage limit. 472 Ambient Humidity High TRUE if ambient humidity level is seen exceeded. | 442 | Branch Circuit Overload Warning | TRUE if a branch circuit overload warning notice | | | |
| Main Circuit Breaker Overload Warning TRUE if a main circuit breaker overload warning notice. 446 Main Circuit Breaker Open TRUE if the main circuit breaker has exceeded its upper limit. 447 Primary Breaker Open TRUE if the primary breaker is open. 448 Primary Breaker Tripped TRUE if the primary breaker is open. 449 Secondary Breaker Open TRUE if the secondary breaker is tripped. 450 Secondary Breaker Tripped TRUE if the secondary breaker is tripped. 451 Neutral Fault TRUE if a neutral fault. 452 Output Phase Rotation TRUE if output phase rotation is activated. 453 Maintenance Isolation Switch Failure TRUE if a maintenance isolation switch failure. 454 Maintenance Sypass Breaker Failure TRUE if a maintenance isolation switch failure. 455 Manual Bypass Switch On TRUE if manual bypass is active. 456 Panel I Breaker Open TRUE if the Panel 1 breaker is open. 457 Panel 2 Breaker Open TRUE if the Panel 3 breaker is open. 458 Panel 3 Breaker Open TRUE if the Panel 3 breaker is open. 459 Panel 5 Breaker Open TRUE if the Panel 5 breaker is open. 460 Panel 5 Breaker Open TRUE if the Panel 5 breaker is open. 461 Panel 8 Breaker Open TRUE if the Panel 5 breaker is open. 462 Panel 7 Breaker Open TRUE if the Panel 5 breaker is open. 463 Panel 8 Breaker Open TRUE if the Panel 5 breaker is open. 464 Multiple Inputs Tied Together TRUE if multiple inputs are tied together. 465 Battery Over Temperature TRUE if the battery operating temperature has been exceeded. 466 Inverter Overload TRUE if the bitnery operating temperature has been exceeded. 467 Inverter Short Circuit TRUE if the bipass voltage has exceeded the upper voltage limit. 468 Bypass Phase Out of Range TRUE if the bipass voltage has exceeded the temperature limit. 470 Bypass Phase Out of Range TRUE if the bipass sterral temperature has exceeded the temperature limit. 471 Bypass Thormal Overload TRUE if the bipass sterral temperature has exceeded. | 443 | Branch Circuit Overload | TRUE if branch circuit has exceeded its upper limit. | | | |
| Main Circuit Breaker Overload TRUE if the main circuit breaker has exceeded its upper limit. 47 Primary Breaker Open TRUE if the primary breaker is open. 48 Primary Breaker Tripped TRUE if the primary breaker is tripped. 49 Sacondary Breaker Tripped TRUE if the secondary breaker is tripped. 400 Sacondary Breaker Tripped TRUE if the secondary breaker is tripped. 401 Neutral Fault TRUE if an eutral fault. 402 Output Phase Rotation TRUE if an eutral fault. 403 Maintenance Isolation Switch Failure 404 Maintenance Isolation Switch Failure 405 Manual Bypass Switch On TRUE if an anintenance bypass breaker failure. 406 Panel 1 Breaker Open TRUE if the Panel 1 breaker is open. 407 Panel 2 Breaker Open TRUE if the Panel 2 breaker is open. 408 Panel 3 Breaker Open TRUE if the Panel 3 breaker is open. 409 Panel 5 Breaker Open TRUE if the Panel 5 breaker is open. 409 Panel 6 Breaker Open TRUE if the Panel 6 breaker is open. 400 Panel 5 Breaker Open TRUE if the Panel 7 breaker is open. 401 Panel 6 Breaker Open TRUE if the Panel 8 breaker is open. 402 Panel 7 Breaker Open TRUE if the Panel 8 breaker is open. 403 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 404 Multiple Inputs Tied Together TRUE if the battery operating temperature has been exceeded. 405 Battery Over Temperature TRUE if the battery operating temperature has been exceeded. 406 Inverter Diverload TRUE if the inverter has detected an abnormally low impedance on its output. 407 Inverter Short Circuit TRUE if the inverter has detected an abnormally low impedance on its output. 408 Bypass Overload TRUE if the bypass years out of range. 410 Bypass Voltage Out of Range TRUE if the bypass voltage is out of range. 421 Bypass Thermal Overload TRUE if the bypass woltage is out of range. 422 Ambient Humidity Low TRUE if the ambient humidity level has been exceeded. | 444 | Branch Circuit CT Disconnected | TRUE if the branch circuit CT is disconnected. | | | |
| TRUE if the primary breaker is open. TRUE if the primary breaker is open. TRUE if the primary breaker is open. TRUE if the secondary breaker is tripped. TRUE if a neutral fault. TRUE if a neutral fault. TRUE if a neutral fault. TRUE if output phase rotation is activated. TRUE if output phase rotation is activated. TRUE if a maintenance isolation switch failure. TRUE if a maintenance bypass breaker failure. TRUE if a maintenance bypass breaker failure. TRUE if the Panel 1 breaker is open. TRUE if the Panel 2 breaker is open. TRUE if the Panel 3 breaker is open. TRUE if the Panel 3 breaker is open. TRUE if the Panel 4 breaker is open. TRUE if the Panel 5 breaker is open. TRUE if the Panel 6 breaker is open. TRUE if the Panel 6 breaker is open. TRUE if the Panel 6 breaker is open. TRUE if the Panel 7 breaker is open. TRUE if the Panel 8 breaker is open. TRUE if the Panel 8 breaker open TRUE if the Panel 8 breaker is open. TRUE if the Panel 8 breaker open TRUE if the Panel 8 breaker is open. TRUE if | 445 | Main Circuit Breaker Overload Warning | TRUE if a main circuit breaker overload warning notice. | | | |
| 448 Primary Breaker Tripped TRUE if the primary breaker is tripped. 449 Secondary Breaker Open TRUE if the secondary breaker is open. 450 Secondary Breaker Tripped TRUE if the secondary breaker is tripped. 451 Neutral Fault TRUE if a neutral fault. 452 Output Phase Rotation TRUE if output phase rotation is activated. 453 Maintenance Isolation Switch Failure TRUE if a maintenance isolation switch failure. 454 Maintenance Bypass Breaker Failure TRUE if a maintenance bypass breaker failure. 455 Manual Bypass Switch On TRUE if manual bypass is active. 456 Panel 1 Breaker Open TRUE if the Panel 1 breaker is open. 457 Panel 2 Breaker Open TRUE if the Panel 2 breaker is open. 458 Panel 3 Breaker Open TRUE if the Panel 3 breaker is open. 459 Panel 4 Breaker Open TRUE if the Panel 4 breaker is open. 460 Panel 5 Breaker Open TRUE if the Panel 5 breaker is open. 461 Panel 6 Breaker Open TRUE if the Panel 6 breaker is open. 462 Panel 7 Breaker Open TRUE if the Panel 8 breaker is open. 463 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 464 Multiple Inputs Tied Together TRUE if the Panel 8 breaker is open. 465 Battery Over Temperature TRUE if the battery operating temperature has been exceeded. 466 Inverter Overload TRUE if the inverter has exceeded the upper limit. 467 Inverter Short Circuit TRUE if the inverter has detected an abnormally low impedance on its output. 468 Bypass Overload TRUE if the bypass voltage is out of range. 470 Bypass Phase Out of Range TRUE if the bypass bytemal temperature has exceeded the temperature limit. 472 Ambient Humidity Low TRUE if the ambient humidity level is low. 473 Ambient Humidity High TRUE if ambient humidity level has been exceeded. | 446 | Main Circuit Breaker Overload | TRUE if the main circuit breaker has exceeded its upper limit. | | | |
| 449 Sacondary Breaker Open TRUE if the secondary breaker is open. 450 Secondary Breaker Tripped TRUE if the secondary breaker is tripped. 451 Neutral Fault TRUE if a neutral fault. 452 Output Phase Rotation TRUE if output phase rotation is activated. 453 Maintenance Isolation Switch Failure TRUE if a maintenance isolation switch failure. 454 Maintenance Bypass Breaker Failure TRUE if a maintenance bypass breaker failure. 455 Manual Bypass Switch On TRUE if manual bypass is active. 456 Panel 1 Breaker Open TRUE if the Panel 1 breaker is open. 457 Panel 2 Breaker Open TRUE if the Panel 2 breaker is open. 458 Panel 3 Breaker Open TRUE if the Panel 3 breaker is open. 459 Panel 4 Breaker Open TRUE if the Panel 4 breaker is open. 460 Panel 5 Breaker Open TRUE if the Panel 5 breaker is open. 461 Panel 6 Breaker Open TRUE if the Panel 6 breaker is open. 462 Panel 7 Breaker Open TRUE if the Panel 8 breaker is open. 463 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 464 Multiple Inputs Tied Together TRUE if the battery operating temperature has been exceeded. 465 Battery Over Temperature TRUE if the inverter has exceeded its upper limit. 467 Inverter Short Circuit TRUE if the inverter has exceeded the upper voltage limit. 468 Bypass Overload TRUE if the bypass voltage has exceeded the upper voltage limit. 469 Bypass Phase Out of Range TRUE if the bypass voltage is out of range. 470 Bypass Voltage Out of Range TRUE if the bypass thermal temperature has exceeded the temperature limit. 472 Ambient Humidity Low TRUE if the ambient humidity level is low. | 447 | Primary Breaker Open | TRUE if the primary breaker is open. | | | |
| 450 Secondary Breaker Tripped TRUE if the secondary breaker is tripped. 451 Neutral Fault TRUE if a neutral fault. 452 Output Phase Rotation TRUE if output phase rotation is activated. 453 Maintenance Isolation Switch Failure TRUE if a maintenance isolation switch failure. 454 Maintenance Bypass Breaker Failure TRUE if a maintenance bypass breaker failure. 455 Manual Bypass Switch On TRUE if manual bypass is active. 456 Panel 1 Breaker Open TRUE if the Panel 1 breaker is open. 457 Panel 2 Breaker Open TRUE if the Panel 2 breaker is open. 458 Panel 3 Breaker Open TRUE if the Panel 3 breaker is open. 459 Panel 4 Breaker Open TRUE if the Panel 5 breaker is open. 450 Panel 5 Breaker Open TRUE if the Panel 6 breaker is open. 461 Panel 6 Breaker Open TRUE if the Panel 6 breaker is open. 462 Panel 7 Breaker Open TRUE if the Panel 6 breaker is open. 463 Panel 8 Breaker Open TRUE if the Panel 6 breaker is open. 464 Multiple Inputs Tied Together TRUE if multiple inputs are tied together. 465 Battery Over Temperature TRUE if multiple inputs are tied together. 466 Inverter Overload TRUE if the battery operating temperature has been exceeded. 466 Inverter Overload TRUE if the bittery operating temperature has been exceeded. 467 Inverter Short Circuit TRUE if the inverter has exceeded its upper limit. 468 Bypass Overload TRUE if the bypass voltage has exceeded the upper voltage limit. 469 Bypass Phase Out of Range TRUE if the bypass voltage is out of range. 470 Bypass Phase Out of Range TRUE if the bypass voltage is out of range. 471 Bypass Thermal Overload TRUE if the bypass thermal temperature has exceeded the temperature limit. 472 Ambient Humidity Low TRUE if ambient humidity level has been exceeded. | 448 | Primary Breaker Tripped | TRUE if the primary breaker is tripped. | | | |
| 451 Neutral Fault TRUE if a neutral fault. 452 Output Phase Rotation TRUE if output phase rotation is activated. 453 Maintenance Isolation Switch Failure TRUE if a maintenance bypass breaker failure. 454 Maintenance Bypass Breaker Failure TRUE if a maintenance bypass breaker failure. 455 Manual Bypass Switch On TRUE if manual bypass is active. 456 Panel 1 Breaker Open TRUE if the Panel 1 breaker is open. 457 Panel 2 Breaker Open TRUE if the Panel 2 breaker is open. 458 Panel 3 Breaker Open TRUE if the Panel 3 breaker is open. 459 Panel 4 Breaker Open TRUE if the Panel 4 breaker is open. 460 Panel 5 Breaker Open TRUE if the Panel 6 breaker is open. 461 Panel 6 Breaker Open TRUE if the Panel 6 breaker is open. 462 Panel 7 Breaker Open TRUE if the Panel 6 breaker is open. 463 Panel 8 Breaker Open TRUE if the Panel 6 breaker is open. 464 Panel 6 Breaker Open TRUE if the Panel 6 breaker is open. 465 Panel 7 Breaker Open TRUE if the Panel 6 breaker is open. 466 Breaker Open TRUE if the battery operating temperature has been exceeded. 467 Inverter Overload TRUE if the inverter has exceeded the upper limit. 468 Bypass Overload TRUE if the bypass voltage has exceeded the upper voltage limit. 469 Bypass Phase Out of Range TRUE if the bypass stermal temperature has exceeded the temperature limit. 470 Bypass Fhermal Overload TRUE if the bypass stermal temperature has exceeded the temperature limit. 471 Bypass Thermal Overload TRUE if the bypass stermal temperature has exceeded the temperature limit. 472 Ambient Humidity Low TRUE if a maintenance solation is activated. | 449 | Secondary Breaker Open | TRUE if the secondary breaker is open. | | | |
| 452 Output Phase Rotation TRUE if output phase rotation is activated. 453 Maintenance Isolation Switch Failure TRUE if a maintenance isolation switch failure. 454 Maintenance Bypass Breaker Failure TRUE if a maintenance bypass breaker failure. 455 Manual Bypass Switch On TRUE if manual bypass is active. 456 Panel 1 Breaker Open TRUE if the Panel 1 breaker is open. 457 Panel 2 Breaker Open TRUE if the Panel 2 breaker is open. 458 Panel 3 Breaker Open TRUE if the Panel 3 breaker is open. 459 Panel 4 Breaker Open TRUE if the Panel 4 breaker is open. 460 Panel 5 Breaker Open TRUE if the Panel 6 breaker is open. 461 Panel 6 Breaker Open TRUE if the Panel 6 breaker is open. 462 Panel 7 Breaker Open TRUE if the Panel 8 breaker is open. 463 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 464 Multiple Inputs Tied Together TRUE if the Panel 8 breaker is open. 465 Battery Over Temperature TRUE if the battery operating temperature has been exceeded. 466 Inverter Overload TRUE if the inverter has exceeded its upper limit. 467 Inverter Short Circuit TRUE if the bypass voltage has exceeded the upper voltage limit. 468 Bypass Phase Out of Range TRUE if the bypass voltage has exceeded the upper voltage limit. 469 Bypass Phase Out of Range TRUE if the bypass shermal temperature has exceeded the temperature limit. 470 Bypass Thermal Overload TRUE if the bypass thermal temperature has exceeded the temperature limit. 471 Bypass Thermal Overload TRUE if the ambient humidity level is low. 473 Ambient Humidity Low TRUE if ambient humidity level has been exceeded. | 450 | Secondary Breaker Tripped | TRUE if the secondary breaker is tripped. | | | |
| 453 Maintenance Isolation Switch Failure 454 Maintenance Bypass Breaker Failure 455 Manual Bypass Switch On TRUE if a maintenance bypass breaker failure. 456 Panel 1 Breaker Open TRUE if the Panel 1 breaker is open. 457 Panel 2 Breaker Open TRUE if the Panel 2 breaker is open. 458 Panel 3 Breaker Open TRUE if the Panel 3 breaker is open. 459 Panel 4 Breaker Open TRUE if the Panel 4 breaker is open. 460 Panel 5 Breaker Open TRUE if the Panel 6 breaker is open. 461 Panel 6 Breaker Open TRUE if the Panel 6 breaker is open. 462 Panel 7 Breaker Open TRUE if the Panel 6 breaker is open. 463 Panel 8 Breaker Open TRUE if the Panel 7 breaker is open. 464 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 465 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 466 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 467 Panel 8 Breaker Open TRUE if the battery operating temperature has been exceeded. 468 Battery Over Temperature TRUE if the battery operating temperature has been exceeded. 469 Inverter Overload TRUE if the inverter has detected an abnormally low impedance on its output. 460 Bypass Overload TRUE if the bypass voltage has exceeded the upper voltage limit. 461 Inverter Short Circuit TRUE if the bypass voltage has exceeded the upper voltage limit. 462 Bypass Phase Out of Range TRUE if the bypass voltage is out of range. 470 Bypass Voltage Out of Range TRUE if the bypass voltage is out of range. 471 Bypass Thermal Overload TRUE if the bypass thermal temperature has exceeded the temperature limit. 472 Ambient Humidity Low TRUE if ambient humidity level is low. | 451 | Neutral Fault | TRUE if a neutral fault. | | | |
| 454 Maintenance Bypass Breaker Failure TRUE if a maintenance bypass breaker failure. 455 Manual Bypass Switch On TRUE if the Panel 1 breaker is open. 456 Panel 1 Breaker Open TRUE if the Panel 2 breaker is open. 457 Panel 2 Breaker Open TRUE if the Panel 3 breaker is open. 458 Panel 3 Breaker Open TRUE if the Panel 4 breaker is open. 459 Panel 4 Breaker Open TRUE if the Panel 4 breaker is open. 460 Panel 5 Breaker Open TRUE if the Panel 6 breaker is open. 461 Panel 6 Breaker Open TRUE if the Panel 7 breaker is open. 462 Panel 7 Breaker Open TRUE if the Panel 8 breaker is open. 463 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 464 Multiple Inputs Tied Together TRUE if multiple inputs are tied together. 465 Battery Over Temperature TRUE if the battery operating temperature has been exceeded. 466 Inverter Overload TRUE if the inverter has exceeded its upper limit. 467 Inverter Short Circuit TRUE if the inverter has detected an abnormally low impedance on its output. 468 Bypass Overload TRUE if the bypass voltage has exceeded the upper voltage limit. 469 Bypass Phase Out of Range TRUE if the bypass bhase is out of range. 470 Bypass Voltage Out of Range TRUE if the bypass thermal temperature has exceeded the temperature limit. 472 Ambient Humidity Low TRUE if ambient humidity level has been exceeded. | 452 | Output Phase Rotation | TRUE if output phase rotation is activated. | | | |
| 455 Manual Bypass Switch On TRUE if manual bypass is active. 456 Panel 1 Breaker Open TRUE if the Panel 1 breaker is open. 457 Panel 2 Breaker Open TRUE if the Panel 2 breaker is open. 458 Panel 3 Breaker Open TRUE if the Panel 3 breaker is open. 459 Panel 4 Breaker Open TRUE if the Panel 3 breaker is open. 460 Panel 5 Breaker Open TRUE if the Panel 4 breaker is open. 461 Panel 6 Breaker Open TRUE if the Panel 5 breaker is open. 462 Panel 7 Breaker Open TRUE if the Panel 6 breaker is open. 463 Panel 8 Breaker Open TRUE if the Panel 7 breaker is open. 464 Multiple Inputs Tied Together TRUE if the Panel 8 breaker is open. 465 Battery Over Temperature TRUE if the battery operating temperature has been exceeded. 466 Inverter Overload TRUE if the inverter has exceeded its upper limit. 467 Inverter Short Circuit TRUE if the inverter has detected an abnormally low impedance on its output. 468 Bypass Overload TRUE if the bypass voltage has exceeded the upper voltage limit. 469 Bypass Phase Out of Range TRUE if the bypass voltage is out of range. 470 Bypass Voltage Out of Range TRUE if the bypass thermal temperature has exceeded the temperature limit. 472 Ambient Humidity High TRUE if the ambient humidity level is low. 473 Ambient Humidity High TRUE if ambient humidity level has been exceeded. | 453 | Maintenance Isolation Switch Failure | TRUE if a maintenance isolation switch failure. | | | |
| 456 Panel 1 Breaker Open TRUE if the Panel 2 breaker is open. 457 Panel 2 Breaker Open TRUE if the Panel 2 breaker is open. 458 Panel 3 Breaker Open TRUE if the Panel 3 breaker is open. 459 Panel 4 Breaker Open TRUE if the Panel 4 breaker is open. 460 Panel 5 Breaker Open TRUE if the Panel 6 breaker is open. 461 Panel 6 Breaker Open TRUE if the Panel 7 breaker is open. 462 Panel 7 Breaker Open TRUE if the Panel 8 breaker is open. 463 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 464 Multiple Inputs Tied Together TRUE if multiple inputs are tied together. 465 Battery Over Temperature TRUE if the battery operating temperature has been exceeded. 466 Inverter Overload TRUE if the inverter has detected an abnormally low impedance on its output. 468 Bypass Overload TRUE if the bypass voltage has exceeded the upper voltage limit. 469 Bypass Phase Out of Range TRUE if the bypass voltage is out of range. 470 Bypass Voltage Out of Range TRUE if the bypass voltage is out of range. 471 Bypass Thermal Overload TRUE if the ambient humidity level is low. 472 Ambient Humidity Low TRUE if ambient humidity level has been exceeded. | 454 | Maintenance Bypass Breaker Failure | TRUE if a maintenance bypass breaker failure. | | | |
| 457 Panel 2 Breaker Open TRUE if the Panel 2 breaker is open. 458 Panel 3 Breaker Open TRUE if the Panel 3 breaker is open. 459 Panel 4 Breaker Open TRUE if the Panel 4 breaker is open. 460 Panel 5 Breaker Open TRUE if the Panel 5 breaker is open. 461 Panel 6 Breaker Open TRUE if the Panel 6 breaker is open. 462 Panel 7 Breaker Open TRUE if the Panel 8 breaker is open. 463 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 464 Multiple Inputs Tied Together TRUE if multiple inputs are tied together. 465 Battery Over Temperature TRUE if the battery operating temperature has been exceeded. 466 Inverter Overload TRUE if the inverter has detected an abnormally low impedance on its output. 467 Inverter Short Circuit TRUE if the bypass voltage has exceeded the upper voltage limit. 468 Bypass Overload TRUE if the bypass voltage has exceeded the upper voltage limit. 469 Bypass Phase Out of Range TRUE if the bypass voltage is out of range. 470 Bypass Voltage Out of Range TRUE if the bypass thermal temperature has exceeded the temperature limit. 472 Ambient Humidity Low TRUE if the ambient humidity level is low. 473 Ambient Humidity High TRUE if ambient humidity level has been exceeded. | 455 | Manual Bypass Switch On | TRUE if manual bypass is active. | | | |
| 458 Panel 3 Breaker Open TRUE if the Panel 3 breaker is open. 460 Panel 5 Breaker Open TRUE if the Panel 6 breaker is open. 461 Panel 6 Breaker Open TRUE if the Panel 7 breaker is open. 462 Panel 7 Breaker Open TRUE if the Panel 8 breaker is open. 463 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 464 Multiple Inputs Tied Together TRUE if multiple inputs are tied together. 465 Battery Over Temperature TRUE if the battery operating temperature has been exceeded. 466 Inverter Overload TRUE if the inverter has exceeded its upper limit. 467 Inverter Short Circuit TRUE if the inverter has detected an abnormally low impedance on its output. 468 Bypass Overload TRUE if the bypass voltage has exceeded the upper voltage limit. 469 Bypass Phase Out of Range TRUE if the bypass phase is out of range. 470 Bypass Voltage Out of Range TRUE if the bypass voltage is out of range. 471 Bypass Thermal Overload TRUE if the ambient humidity level is low. TRUE if ambient humidity level has been exceeded. | 456 | Panel 1 Breaker Open | TRUE if the Panel 1 breaker is open. | | | |
| 459 Panel 4 Breaker Open TRUE if the Panel 4 breaker is open. 460 Panel 5 Breaker Open TRUE if the Panel 6 breaker is open. 461 Panel 6 Breaker Open TRUE if the Panel 6 breaker is open. 462 Panel 7 Breaker Open TRUE if the Panel 8 breaker is open. 463 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 464 Multiple Inputs Tied Together TRUE if multiple inputs are tied together. 465 Battery Over Temperature TRUE if the battery operating temperature has been exceeded. 466 Inverter Overload TRUE if the inverter has exceeded its upper limit. 467 Inverter Short Circuit TRUE if the inverter has detected an abnormally low impedance on its output. 468 Bypass Overload TRUE if the bypass voltage has exceeded the upper voltage limit. 469 Bypass Phase Out of Range TRUE if the bypass phase is out of range. 470 Bypass Voltage Out of Range TRUE if the bypass thermal temperature has exceeded the temperature limit. 472 Ambient Humidity Low TRUE if ambient humidity level has been exceeded. | 457 | Panel 2 Breaker Open | TRUE if the Panel 2 breaker is open. | | | |
| 460 Panel 5 Breaker Open TRUE if the Panel 5 breaker is open. 461 Panel 6 Breaker Open TRUE if the Panel 6 breaker is open. 462 Panel 7 Breaker Open TRUE if the Panel 8 breaker is open. 463 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 464 Multiple Inputs Tied Together TRUE if multiple inputs are tied together. 465 Battery Over Temperature TRUE if the battery operating temperature has been exceeded. 466 Inverter Overload TRUE if the inverter has exceeded its upper limit. 467 Inverter Short Circuit TRUE if the inverter has detected an abnormally low impedance on its output. 468 Bypass Overload TRUE if the bypass voltage has exceeded the upper voltage limit. 469 Bypass Phase Out of Range TRUE if the bypass phase is out of range. 470 Bypass Voltage Out of Range TRUE if the bypass thermal temperature has exceeded the temperature limit. 471 Bypass Thermal Overload TRUE if the ambient humidity level is low. TRUE if ambient humidity level has been exceeded. | 458 | Panel 3 Breaker Open | TRUE if the Panel 3 breaker is open. | | | |
| TRUE if the Panel 6 breaker is open. TRUE if the Panel 7 breaker is open. TRUE if the Panel 8 breaker is open. TRUE if the Panel 8 breaker is open. TRUE if the Panel 8 breaker is open. TRUE if multiple inputs are tied together. TRUE if multiple inputs are tied together. TRUE if the battery operating temperature has been exceeded. Inverter Overload TRUE if the inverter has exceeded its upper limit. TRUE if the inverter has detected an abnormally low impedance on its output. TRUE if the bypass voltage has exceeded the upper voltage limit. TRUE if the bypass voltage has exceeded the upper voltage limit. TRUE if the bypass voltage is out of range. TRUE if the bypass voltage is out of range. TRUE if the bypass voltage is out of range. TRUE if the bypass voltage is out of range. TRUE if the bypass thermal temperature has exceeded the temperature limit. TRUE if the ambient humidity level is low. TRUE if ambient humidity level has been exceeded. | 459 | Panel 4 Breaker Open | TRUE if the Panel 4 breaker is open. | | | |
| 462 Panel 7 Breaker Open TRUE if the Panel 8 breaker is open. 463 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 464 Multiple Inputs Tied Together TRUE if multiple inputs are tied together. 465 Battery Over Temperature TRUE if the battery operating temperature has been exceeded. 466 Inverter Overload TRUE if the inverter has exceeded its upper limit. 467 Inverter Short Circuit TRUE if the inverter has detected an abnormally low impedance on its output. 468 Bypass Overload TRUE if the bypass voltage has exceeded the upper voltage limit. 469 Bypass Phase Out of Range TRUE if the bypass phase is out of range. 470 Bypass Voltage Out of Range TRUE if the bypass voltage is out of range. 471 Bypass Thermal Overload TRUE if the bypass thermal temperature has exceeded the temperature limit. 472 Ambient Humidity Low TRUE if ambient humidity level has been exceeded. | 460 | Panel 5 Breaker Open | TRUE if the Panel 5 breaker is open. | | | |
| 463 Panel 8 Breaker Open TRUE if the Panel 8 breaker is open. 464 Multiple Inputs Tied Together TRUE if multiple inputs are tied together. 465 Battery Over Temperature TRUE if the battery operating temperature has been exceeded. 466 Inverter Overload TRUE if the inverter has exceeded its upper limit. 467 Inverter Short Circuit TRUE if the inverter has detected an abnormally low impedance on its output. 468 Bypass Overload TRUE if the bypass voltage has exceeded the upper voltage limit. 469 Bypass Phase Out of Range TRUE if the bypass phase is out of range. 470 Bypass Voltage Out of Range TRUE if the bypass voltage is out of range. 471 Bypass Thermal Overload TRUE if the bypass thermal temperature has exceeded the temperature limit. 472 Ambient Humidity Low TRUE if the ambient humidity level is low. 473 Ambient Humidity High TRUE if ambient humidity level has been exceeded. | 461 | Panel 6 Breaker Open | TRUE if the Panel 6 breaker is open. | | | |
| 464 Multiple Inputs Tied Together TRUE if multiple inputs are tied together. 465 Battery Over Temperature TRUE if the battery operating temperature has been exceeded. 466 Inverter Overload TRUE if the inverter has exceeded its upper limit. 467 Inverter Short Circuit TRUE if the inverter has detected an abnormally low impedance on its output. 468 Bypass Overload TRUE if the bypass voltage has exceeded the upper voltage limit. 469 Bypass Phase Out of Range TRUE if the bypass phase is out of range. 470 Bypass Voltage Out of Range TRUE if the bypass voltage is out of range. 471 Bypass Thermal Overload TRUE if the bypass thermal temperature has exceeded the temperature limit. 472 Ambient Humidity Low TRUE if the ambient humidity level is low. TRUE if ambient humidity level has been exceeded. | 462 | Panel 7 Breaker Open | TRUE if the Panel 7 breaker is open. | | | |
| Hattery Over Temperature TRUE if the battery operating temperature has been exceeded. TRUE if the inverter has exceeded its upper limit. TRUE if the inverter has detected an abnormally low impedance on its output. TRUE if the bypass voltage has exceeded the upper voltage limit. TRUE if the bypass voltage has exceeded the upper voltage limit. TRUE if the bypass phase is out of range. TRUE if the bypass voltage is out of range. TRUE if the bypass voltage is out of range. TRUE if the bypass voltage is out of range. TRUE if the bypass thermal temperature has exceeded the temperature limit. TRUE if the ambient humidity level is low. TRUE if ambient humidity level has been exceeded. | 463 | Panel 8 Breaker Open | TRUE if the Panel 8 breaker is open. | | | |
| TRUE if the inverter has exceeded its upper limit. TRUE if the inverter has detected an abnormally low impedance on its output. TRUE if the bypass voltage has exceeded the upper voltage limit. TRUE if the bypass voltage has exceeded the upper voltage limit. TRUE if the bypass phase is out of range. TRUE if the bypass phase is out of range. TRUE if the bypass voltage is out of range. TRUE if the bypass voltage is out of range. TRUE if the bypass thermal temperature has exceeded the temperature limit. TRUE if the ambient humidity level is low. TRUE if ambient humidity level has been exceeded. | 464 | Multiple Inputs Tied Together | TRUE if multiple inputs are tied together. | | | |
| TRUE if the inverter has detected an abnormally low impedance on its output. TRUE if the bypass voltage has exceeded the upper voltage limit. TRUE if the bypass voltage has exceeded the upper voltage limit. TRUE if the bypass phase is out of range. TRUE if the bypass phase is out of range. TRUE if the bypass voltage is out of range. TRUE if the bypass voltage is out of range. TRUE if the bypass voltage is out of range. TRUE if the bypass thermal temperature has exceeded the temperature limit. TRUE if the ambient humidity level is low. TRUE if ambient humidity level has been exceeded. | 465 | Battery Over Temperature | TRUE if the battery operating temperature has been exceeded. | | | |
| 468 Bypass Overload TRUE if the bypass voltage has exceeded the upper voltage limit. 469 Bypass Phase Out of Range TRUE if the bypass phase is out of range. 470 Bypass Voltage Out of Range TRUE if the bypass voltage is out of range. 471 Bypass Thermal Overload TRUE if the bypass thermal temperature has exceeded the temperature limit. 472 Ambient Humidity Low TRUE if the ambient humidity level is low. 473 Ambient Humidity High TRUE if ambient humidity level has been exceeded. | 466 | Inverter Overload | TRUE if the inverter has exceeded its upper limit. | | | |
| 469 Bypass Phase Out of Range TRUE if the bypass phase is out of range. 470 Bypass Voltage Out of Range TRUE if the bypass voltage is out of range. 471 Bypass Thermal Overload TRUE if the bypass thermal temperature has exceeded the temperature limit. 472 Ambient Humidity Low TRUE if the ambient humidity level is low. 473 Ambient Humidity High TRUE if ambient humidity level has been exceeded. | 467 | Inverter Short Circuit | TRUE if the inverter has detected an abnormally low impedance on its output. | | | |
| 470 Bypass Voltage Out of Range TRUE if the bypass voltage is out of range. 471 Bypass Thermal Overload TRUE if the bypass thermal temperature has exceeded the temperature limit. 472 Ambient Humidity Low TRUE if the ambient humidity level is low. 473 Ambient Humidity High TRUE if ambient humidity level has been exceeded. | 468 | Bypass Overload | TRUE if the bypass voltage has exceeded the upper voltage limit. | | | |
| 471 Bypass Thermal Overload TRUE if the bypass thermal temperature has exceeded the temperature limit. 472 Ambient Humidity Low TRUE if the ambient humidity level is low. 473 Ambient Humidity High TRUE if ambient humidity level has been exceeded. | 469 | Bypass Phase Out of Range | TRUE if the bypass phase is out of range. | | | |
| 472 Ambient Humidity Low TRUE if the ambient humidity level is low. 473 Ambient Humidity High TRUE if ambient humidity level has been exceeded. | 470 | Bypass Voltage Out of Range | TRUE if the bypass voltage is out of range. | | | |
| 473 Ambient Humidity High TRUE if ambient humidity level has been exceeded. | 471 | Bypass Thermal Overload | TRUE if the bypass thermal temperature has exceeded the temperature limit. | | | |
| | 472 | Ambient Humidity Low | TRUE if the ambient humidity level is low. | | | |
| 474 Under Voltage Warning TRUE if the voltage is less than the lower voltage limit. | 473 | Ambient Humidity High | TRUE if ambient humidity level has been exceeded. | | | |
| | 474 | Under Voltage Warning | TRUE if the voltage is less than the lower voltage limit. | | | |

| | | UPS Status | | | | |
|----------|----------------------------------|---|--|--|--|--|
| Register | Name | Description | | | | |
| 475 | Over Voltage Warning | TRUE if the voltage has exceeded the upper voltage limit. | | | | |
| 476 | Output Breaker Overload Warning | TRUE if output breaker overload warning notice. | | | | |
| 477 | Output Breaker Overload | TRUE if output breaker overload major alarm. | | | | |
| 478 | L1 Low Current Warning | TRUE if L1 current is less than the lower current limit. | | | | |
| 479 | L2 Low Current Warning | TRUE if L2 current is less than the lower current limit. | | | | |
| 480 | L3 Low Current Warning | TRUE if L3 current is less than the lower current limit. | | | | |
| 481 | L1 Overcurrent Warning | TRUE if L1 current has exceeded the upper current limit. | | | | |
| 482 | L2 Overcurrent Warning | TRUE if L2 current has exceeded the upper current limit. | | | | |
| 483 | L3 Overcurrent Warning | TRUE if L3 current has exceeded the upper current limit. | | | | |
| 484 | Low Load Warning | TRUE if the load is less than the lower load limit. | | | | |
| 485 | Overload Warning | TRUE if the load limit has been exceeded. | | | | |
| 486 | Outlet Overcurrent Warning | TRUE if outlet overcurrent warning notice. | | | | |
| 487 | Outlet Overcurrent Alarm | TRUE if outlet overcurrent major alarm. | | | | |
| 488 | Outlet Under Voltage Warning | TRUE if the outlet power is less than the lower voltage limit. | | | | |
| 489 | Outlet Over Voltage Warning | TRUE if the outlet power has exceeded the upper voltage limit. | | | | |
| 490 | Ambient OverTemperature Warning | TRUE if the ambient operating temperature has been exceeded. | | | | |
| 491 | Ambient Over Humidity Warning | TRUE if the ambient operating humidity level has been exceeded. | | | | |
| 492 | Internal OverTemperature Warning | TRUE if the internal temperature has been exceeded. | | | | |
| 493 | Ambient Humidity Low Warning | TRUE if the ambient humidity level is low. | | | | |
| 494 | L1 Over Energy Warning | TRUE if L1 over energy warning notice. | | | | |
| 495 | L2 Over Energy Warning | TRUE if L2 over energy warning notice. | | | | |
| 496 | L3 Over Energy Warning | TRUE if L3 over energy warning notice. | | | | |
| 497 | L1 Over Voltage Warning | TRUE if L1 voltage has exceeded the upper voltage limit. | | | | |
| 498 | L2 Over Voltage Warning | TRUE if L2 voltage has exceeded the upper voltage limit. | | | | |
| 499 | L3 Over Voltage Warning | TRUE if L3 voltage has exceeded the upper voltage limit. | | | | |
| 500 | Breaker Over Energy Warning | TRUE if breaker over energy warning notice. | | | | |
| 501 | Outlet Over Energy Warning | TRUE if outlet over energy warning notice. | | | | |
| 502 | Outlet Over Voltage Alarm | TRUE if outlet over voltage major alarm. | | | | |
| 503 | Over Energy Warning | TRUE if over energy warning notice. | | | | |
| 504 | Group Under Current Warning | TRUE if group under current warning notice. | | | | |
| 505 | Group Over Current Warning | TRUE if group over current warning notice. | | | | |
| 506 | Group Over Current Alarm | TRUE if group over current major alarm. | | | | |
| 507 | Internal Failure Alarm | TRUE if internal failure major alarm. | | | | |
| 508 | Ground Fault Alarm | TRUE if ground fault major alarm. | | | | |

Read Input Registers

Modbus Function Code 04

Input registers start at 30000.

The Powerware Modbus Card converts the data format of the UPS meters to integer format. Apply the appropriate scale value as listed.

| | | | ı | Meters |
|----------|------------------------------|-------|-------|--|
| Register | Meter Name | Scale | Unit | Description |
| 0 | Unused | | | Reserved for Jbus compatibility. |
| 1 | OUTPUT VOLTS AB | /10 | Volts | RMS voltage measured at the output of the UPS (i.e., that applied to the load), |
| 2 | OUTPUT VOLTS BC | /10 | Volts | – measured phase to phase. 'AB' is phase A to B. |
| 3 | OUTPUT VOLTS CA | /10 | Volts | |
| 4 | INPUT VOLTS AB | /10 | Volts | RMS voltage measured at the utility input of the UPS, measured phase to |
| 5 | INPUT VOLTS BC | /10 | Volts | – phase. 'AB' is phase A to B. |
| 6 | INPUT VOLTS CA | /10 | Volts | - |
| 7 | INVERTER VOLTS AB | /10 | Volts | RMS voltage measured at the output of the inverter, measured phase to phase. |
| 8 | INVERTER VOLTS BC | /10 | Volts | - `AB' is phase A to B. |
| 9 | INVERTER VOLTS CA | /10 | Volts | - |
| 10 | BYPASS VOLTS AB | /10 | Volts | RMS voltage measured at the input of the bypass feed, if the UPS has a |
| 11 | BYPASS VOLTS BC | /10 | Volts | – separate bypass feed, measured phase to phase. `AB' is phase A to B. |
| 12 | BYPASS VOLTS CA | /10 | Volts | - |
| 13 | MAIN LOGIC POWER | /10 | Volts | Measure of the power supply for the UPS's logic, normally the unregulated supply, measured in DC volts. Service measure. |
| 14 | SECONDARY V+ POWER | /10 | Volts | Measures of a bipolar supply for UPS control or analog circuits, measured in – DC volts. Service measures. |
| 15 | SECONDARY V- POWER | /10 | Volts | - DC voits. Service measures. |
| 16 | INVERTER AVG CURRENT PHASE A | /10 | Amps | A measure of the current output from the inverter phases, but not an RMS – measure. Service measures. |
| 17 | INVERTER AVG CURRENT PHASE B | /10 | Amps | - measure. Service measures. |
| 18 | INVERTER AVG CURRENT PHASE C | /10 | Amps | |
| 19 | INPUT CURRENT PHASE A | /10 | Amps | A measure of the input phase currents for the UPS, in RMS amps. |
| 20 | INPUT CURRENT PHASE B | /10 | Amps | |
| 21 | INPUT CURRENT PHASE C | /10 | Amps | _ |
| 22 | OUTPUT TRUE POWER | /10 | kW | Output and input power measurements (units: kW or kVA as appropriate). |
| 23 | INPUT TRUE POWER | /10 | kW | - |
| 24 | OUTPUT APPARENT POWER | /10 | kVA | - |
| 25 | INPUT APPARENT POWER | /10 | kVA | - |
| 26 | OUTPUT POWER FACTOR | /100 | _ | Dimensionless value, 0.00 to 1.00; values outside this range mean "unknown." |
| 27 | INPUT POWER FACTOR | /100 | _ | - |
| 28 | OUTPUT FREQUENCY | /10 | Hz | Frequency measurements (Hz). |
| 29 | INPUT FREQUENCY | /10 | Hz | _ |
| 30 | INVERTER FREQUENCY | /10 | Hz | _ |
| 31 | BYPASS FREQUENCY | /10 | Hz | _ |

| | | | r | Meters |
|----------|-------------------------------|-------|-------|---|
| Register | Meter Name | Scale | Unit | Description |
| 32 | DC LINK VOLTS | /10 | Volts | DC voltage rectifier to inverter. Service measure. |
| 33 | BATTERY CURRENT | /10 | Amps | Battery measurements; discharge current is a negative current reading. |
| 34 | BATTERY VOLTAGE | /10 | Volts | - DC amps or volts. |
| 35 | % BATTERY LEFT | /10 | % | Percentage of useful stored energy remaining (0% is fully discharged). |
| 36 | BATTERY TIME REMAINING | /10 | Min | Estimated minutes until DCUV for the current load and state of charge of the battery (even if not "On Battery"). |
| 37 | BATTERY CHARGE TIME | /10 | Min | Estimated minutes required to fully charge (float) the battery. |
| 38 | PEAK INVERTER CURRENT PHASE A | /10 | Amps | A measure of the inverter output peak phase current values. Service |
| 39 | PEAK INVERTER CURRENT PHASE B | /10 | Amps | - measures. |
| 40 | PEAK INVERTER CURRENT PHASE C | /10 | Amps | |
| 41 | AVG INPUT I 3 PHASE SUM | /10 | Amps | Average sum of the 3 phase input currents. Service measure. |
| 42 | Unused | | | - |
| 43 | INPUT CURRENT BAR CHART | /10 | Amps | To compare against input phase currents. RMS amps. |
| 44 | Unused | | | _ |
| 45 | DC VOLTS BAR CHART | /10 | Volts | To compare against DC link volts. DC volts. Service measure. |
| 46 | Unused | | | _ |
| 47 | BATTERY I BAR CHART | /10 | Amps | Value is for 100% rated battery discharge current. DC amps. |
| 48 | Unused | | | _ |
| 49 | Unused | | | _ |
| 50 | Unused | | | _ |
| 51 | Unused | | | _ |
| 52 | Unused | | | _ |
| 53 | Unused | | | _ |
| 54 | BYPASS VOLTS PHASE A | /10 | Volts | RMS voltage measured at the input of the bypass feed, if the UPS has a |
| 55 | BYPASS VOLTS PHASE B | /10 | Volts | - separate bypass feed, measured line to neutral. |
| 56 | BYPASS VOLTS PHASE C | /10 | Volts | - |
| 57 | INPUT VOLTS PHASE A | /10 | Volts | RMS voltage measured at the utility input of the UPS, measured phase to |
| 58 | INPUT VOLTS PHASE B | /10 | Volts | - neutral. |
| 59 | INPUT VOLTS PHASE C | /10 | Volts | - |
| 60 | INVERTER VOLTS PHASE A | /10 | Volts | Apparent inverter output phase voltages, measured phase to neutral (may be scaled by transformer to nearly match output volts while on inverter). Though |
| 61 | INVERTER VOLTS PHASE B | /10 | Volts | these should be just service measures, some older UPSs report these instead of output volts per phase; note in this case there may be differences between |
| 62 | INVERTER VOLTS PHASE C | /10 | Volts | these readings and the actual output voltage seen by the load (e.g., when the output breaker is open). |
| 63 | AMBIENT TEMPERATURE | /10 | °C | Temperature measurement, in degrees Centigrade. |
| 64 | HEATSINK TEMPERATURE | /10 | °C | At main power unit in the module; normally, the inverter. |
| 65 | POWER SUPPLY TEMPERATURE | /10 | °C | Could be rectifier, charger, boost converter, or control power supply. |

| | | | N | Meters |
|----------|--------------------------------|-------|-------|---|
| Register | Meter Name | Scale | Unit | Description |
| 66 | LOAD CURRENT PHASE A | /10 | Amps | Output RMS phase currents, in RMS amps (which may be estimated from |
| 67 | LOAD CURRENT PHASE B | /10 | Amps | inverter output, and not fully account for output filter losses, transformers, or while on bypass). |
| 68 | LOAD CURRENT PHASE C | /10 | Amps | - |
| 69 | LOAD CURRENT PHASE A BAR CHART | /10 | Amps | 100% rated values for the output phase currents bar charts. RMS amps. |
| 70 | LOAD CURRENT PHASE B BAR CHART | /10 | Amps | - |
| 71 | LOAD CURRENT PHASE C BAR CHART | /10 | Amps | _ |
| 72 | OUTPUT VA BAR CHART | /10 | kVA | Rated kVA of the UPS (units: kVA). |
| 73 | Reserved | _ | _ | Reserved |
| 74 | Reserved | _ | _ | Reserved |
| 75 | POSITIVE DC LINK RAIL VOLTAGE | /10 | Volts | Voltages for bipolar DC links. Service measures. |
| 76 | NEGATIVE DC LINK RAIL VOLTAGE | /10 | Volts | - |
| 77 | AUTO-BALANCE VOLTAGE | /10 | Volts | DC voltage content of output. Service measure. |
| 78 | BATTERY TEMPERATURE | /10 | °C | Temperature measurement, in degrees Centigrade. |
| 79 | OUTPUT VOLTS A | /10 | Volts | Output voltages to the load measured (or determined) for phase to neutral. |
| 80 | OUTPUT VOLTS B | /10 | Volts | - |
| 81 | OUTPUT VOLTS C | /10 | Volts | _ |
| 82 | NEUTRAL CURRENT | /10 | Amps | RMS current in the output neutral line. RMS amps. |
| 83 | OUTPUT WATTS PHASE A | /10 | kW | Output watts, measured line to neutral. |
| 84 | OUTPUT WATTS PHASE B | /10 | kW | - |
| 85 | OUTPUT WATTS PHASE C | /10 | kW | - |
| 86 | OUTPUT WATTS PHASE A, B, C | /10 | kW | 100% rated value for the output watts per phase bar charts. |
| 87 | RECTIFIER DC CURRENT | /10 | Amps | DC current rectifier to DC link. Service measure. |
| 88 | POSITIVE BATTERY VOLTAGE | /10 | Volts | Voltages for bipolar battery. |
| 89 | NEGATIVE BATTERY VOLTAGE | /10 | Volts | - |
| 90 | POSITIVE BATTERY CURRENT | /10 | Amps | Currents for bipolar battery, DC amps; discharge current is a negative reading. |
| 91 | NEGATIVE BATTERY CURRENT | /10 | Amps | - |

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