

INSTRUCTIONS FOR SELF-DIAGNOSTIC TESTING (SDT)

Once the unit is properly installed in accordance with the installation instructions and AC power is supplied to the unit, the dual color (SDT STATUS) LED indicator will illuminate, followed by the amber (INV ON) LED indicator. Unit will switch into a load calibrating mode for 5-10 seconds to record the connected load. Lampheads will turn ON during this step. Once done, the LED indicator will show a RED/GREEN flashing status. This indicates that the unit is in Hi-charge mode. A steady GREEN LED indicates normal service; A blinking GREEN/RED LED indicates the battery is charging; A BLINKING RED LED (in different combinations) indicates a service alert. Refer to the SERVICE INDICATION chart below for details. During loss of normal utility power the dual color LED will not be illuminated. The AMBER (INV ON) LED indicator will be illuminated only during inverter operation initiated by the loss of utility power or during any manual or automatic self-test.

During a manually-initiated test OR monthly/annual self-diagnostic test, if the calibrated load is not detected, then the LED indicator will flash FOUR times, indicating a load failure error. This error code can be reset by pressing and holding the test switch for at least (6) seconds, allowing the unit to calibrate the load again.



Self-Diagnostic Status

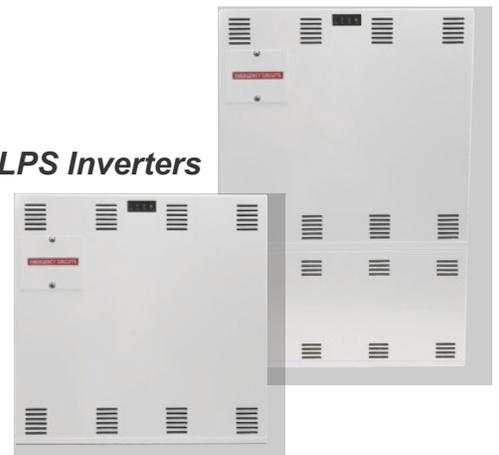
SPS Inverters



MPS Inverters



HPS & LPS Inverters



SELF-DIAGNOSTIC FUNCTIONS

The self-diagnostic function is factory preset and performs the following:

- Monitoring of battery, battery charger and connected loads.
- Self-testing and a 30-second battery discharge once every 30 days after normal utility power has been supplied for a minimum of 48 hours.
- Self-testing and a 30-minute battery discharge once every 180 days after normal utility power has been supplied for a minimum of 48 hours.
- Self-testing and a 90-minute battery discharge once every 365 days after normal utility power has been supplied for a minimum of 48 hours.

SERVICE INDICATION

| LED INDICATOR | STATUS |
|-------------------------|-----------------------|
| GREEN Steady | Normal Service |
| RED/GREEN Blinking | High Charge Enabled |
| GREEN Blinking | Test mode Enabled |
| One Blink RED / Pause | Battery Charger Fault |
| Two Blinks RED / Pause | Battery Fault |
| Four Blinks RED / Pause | Lamp / Load Fault |

MANUAL TESTING

| ACTION | REACTION & LED INDICATION |
|--|--|
| Push test switch once (within 2 seconds) | 30 Second test: One blink GREEN / Pause |
| Push test switch twice (within 2 seconds) | 30 Minute test: Two blinks GREEN / Pause |
| Push test switch thrice (within 2 seconds) | 90 Minute test: Three blinks GREEN / Pause |
| Push test switch and hold for 3 seconds | Cancels test |
| Push test switch and hold for 6 seconds | System reset |