

# Si-251-PST

250 Watt Pure Sine Wave Emergency Lighting Micro Inverter with Power Share Technology and internal " Shunt Relay" for 0-10 Vdc systems



**Specifiers reference:**

Project: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Model #: \_\_\_\_\_  
 Comments: \_\_\_\_\_

**Product Summary**

- Approvals** ..... UL Listed to UL924 ( Damp Rated)
- Input Voltage** ..... (Universal Input) 120 - 277 Vac, 50 or 60Hz
- Input Current** ..... 0.6 A (max)
- Input Power** ..... 50 Watts (max.)
- Power Factor- input** ..... > 0.9
- Output Voltage** ..... 120 - 277 Vac, 60 Hz  
Auto setting output voltage equal to input voltage
- Output Power** ..... **Typical 250 Watts**  
**333 VA**
- Operating Time** ..... 90 Minutes minimum
- Operating Temperature** ..... 0°C to 50°C ( 32°F to 122°F)
- Power Share Technology** ... Patent Pending Auto Adjust 0-10 Vdc to achieve rated 250 W emergency power Max. Connected Normal 0-10 Vdc load of 1000W
- Test Switch** ..... Quick Connect IP65 rated illuminated test switch
- Recharge Time** ..... 24 Hours
- Remote Mounting Distance** ..... 150 ft (max. w/ 18ga wire)  
300 ft. ( max. w/14 ga wire)
- Battery** ..... Lithium Iron Phosphate LiFePO4
- Dimensions** ..... 18.3"L x 5.77" W x 3.0" H
- Weight** ..... 17 lbs.
- Warranty** ..... 5 years full. See website for warranty details

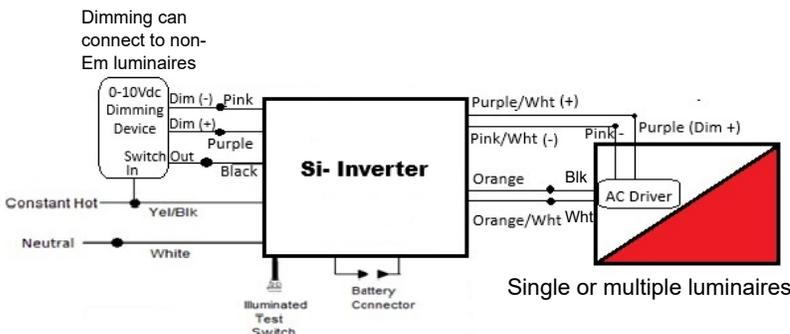


**Description**

The Assurance Emergency Lighting Si-251-PST is a compact, Pure Sine Wave Micro inverter designed for designated emergency lighting fixtures and includes Power Share Technology with an internal Shunt Relay for 0-10 Vdc dimming applications. In the event of a power failure, the inverter will automatically supply up to 250 watts of emergency power to LED luminaires for ninety (90) minutes. It can operate with single or multiple switched, dimmed, non-switched or emergency only luminaires. It can operate as a stand alone 250 watt inverter without 0-10 Vdc dimming. It can be used with 0-10 Vdc controlled dimmable luminaires (up to 1000W @120Vac or 277 Vac ) and adjust the 0-10 Vdc dimming voltage to the AC drivers for rated emergency output.

**Specifications**

The Assurance Emergency Lighting Si-251-PST is a compact pure sine wave output inverter designed for designated emergency lighting fixtures and includes PST- Power Share Technology. For 0-10Vdc dimming applications, the Power Share Technology allows for normal dimming to pass to the normal/emergency luminaire in normal operation and automatically applies 120 or 277Vac and an adjusted 0-10 Vdc voltage to the emergency luminaire dimming driver leads in emergency operation. This allows the selected emergency luminaires to operate at 250 W of EM luminaire total power (maximum normal connected power up to 1000 W). Compatible with linear 0-10Vdc dimming drivers. Contact factory for details regarding compatibility with logarithmic 0-10 vdc dimming drivers with PST operation. In the event of a power failure, the inverter will automatically supply up to 250 watts of emergency power to LED or fluorescent luminaires for a minimum of 90 minutes. It can operate with a single or multiple switched, dimmed, non-switched and emergency only luminaires. It can operate as a standalone 250 watt mini inverter. It can be used with single and multiple channel LED drivers and Type A, B or C TLED lamps. The emergency output will be up to 250 W at temperatures of 0-50°C. The Si-251-PST shall be UL924 Listed for factory or field installation. It shall meet or exceed the requirements of UL924, NFPA101 Life Safety Code, NFPA 70 National Electrical Code, OSHA, California Energy Commission- Title 20 and State and Local codes. Warranty: Five years full. See Website for warranty details



**Typical Wiring Diagram**

All Specifications subject to change without prior notifications.