

Si-27

27 Watt Pure Sine Wave - Self Testing
Emergency Lighting Inverter with
"Power Share Technology"



Specifiers reference:

Project: _____
Type: _____
Model #: _____
Comments: _____

Product Summary

- Approvals** UL Listed to UL924
- Input Voltage** (Universal Input) 120 - 277 Vac, 50 or 60Hz
- Input Current** 0.250 A (max)
- Output** 120 - 277 Vac, 50 or 60 Hz
Auto setting output voltage equal to input voltage
- Output Power and Temperature**
 - Max. 27W- Ta 0-55°C (32 to 131°F)
 - FEMA 2 Hour run time Max. 20W- Ta 0-55°C (50 to 131°F)
- Operating Time** 90 Minutes minimum
can be Prorated to 2 hours
- Auto Test** Monthly and Annual
- Transfer Time** 1 second to Power Share
- Power Share Technology** allows for up to 27 W emergency of max.
120 W of normal luminaire power
(field programmable to 30%) for max. 90W
of normal luminaire power
- Recharge Time** 24 Hours
- Remote Mounting Distance** 1,000 ft (max. w/ 18ga wire)
- Battery** Lithium
- Dimensions** 13.54" L x 3.23" W x 1.18" D
- Weight** 3.0 lbs.
- Warranty** 5 years full. See website for warranty details

Description

The Assurance Emergency Lighting Si-27 is a compact, versatile Auto-Test Sine Wave output inverter designed for designated emergency lighting fixtures and includes PST- Power Share Technology. In the event of a power failure, the inverter will automatically supply up to 27 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 stand alone 27 watt mini inverter or used with 0-10Vdc controlled programmable luminaires up to 120 W (or 90W**) and apply approximately 2 Vdc (or 3Vdc**) to the emergency luminaire dimming driver in the emergency operation to achieve 20% (or 30%**) of the luminaire power for emergency fixture(s). 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 27 W at temperatures of (0-55C), 20W for 2 hours (0-55C).

Specifications

The Assurance Emergency Lighting Si-27 is a compact Auto Test 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 applies approximately 2 Vdc (or 3Vdc**) to the emergency luminaire dimming driver leads in emergency operation. This allows the selected emergency luminaires to operate at approximately 20% (or 30%**) of luminaire total power. (maximum normal operation power up to 120W and programmable to 3 Vdc up to 90W). Compatible with linear 0-10Vdc dimming drivers. Not compatible with logarithmic 0-10 vdc dimming drivers with PST operation. In the event of a power failure, the inverter will automatically supply up to 27 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 27 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 27 W at temperatures of 0-55°C, or 20W for 2 hours @ 0-55°C. The Si-27 Auto test function will perform a 90-minute annual test and a monthly 30-second test to ensure proper operation. The Si-27 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.

** See installation instructions for field programming to 3 vdc and for luminaire(s) up to 90W - greater lumen output.



See Si-27 Power Share Chart for additional information.

All Specifications subject to change without prior notification.