

# Si-50-PST

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



## Specifiers reference:

Project: \_\_\_\_\_

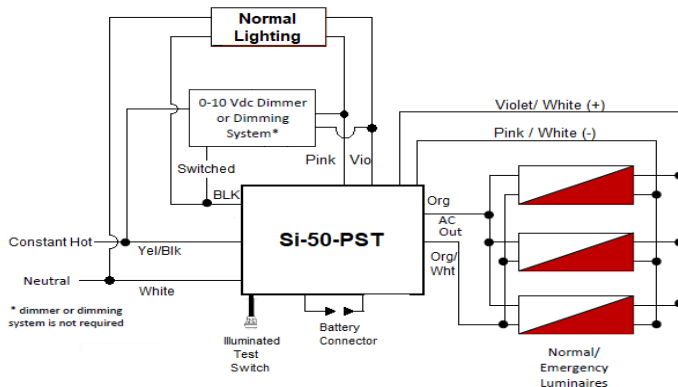
Type: \_\_\_\_\_

Model #: \_\_\_\_\_

Comments: \_\_\_\_\_

## Product Summary

Approvals	UL Listed to UL924 ( Damp Rated)
Input Voltage	(Universal Input) 120 – 277 Vac, 50 or 60Hz
Input Current	0.22 A (max)
Input Power	13.5 Watts (max.)
Power Factor	> 0.9 )
Output Voltage	120 – 277 Vac, 60 Hz Auto setting output voltage equal to input voltage
Output Power	50 Watts
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 <b>50 W</b> emergency power Max. Connected Normal 0-10 Vdc load of <b>150W</b>
Test Switch	Quick Connect IP65 rated illuminated test switch
Recharge Time	24 Hours
Remote Mounting Distance	300 ft (max. w/ 18ga wire)
Battery	Lithium
Dimensions	20.7"L x 2.25" W x 2.05" H
Weight	5 lbs.
Warranty	5 years full. See website for warranty details



Typical Wiring Diagram

## Description

The Assurance Emergency Lighting Si-50-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 50 watts of emergency power to LED or fluorescent 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 50 watt inverter. It can be connected to up 150W of normal power luminaires when using 0-10 Vdc dimming and auto adjust the 0-10 Vdc dimming voltage to the AC drivers for max. 50W emergency output. For 2 hour run time, max. connected load is 35W. \*

## Specifications

The Assurance Emergency Lighting Si-50-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 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 50W of EM luminaire total power. (maximum normal connected power up to 150 W). 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 50 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 50 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 50W at temperatures of 0-50°C. The Si-50-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

All Specifications subject to change without prior notifications.

Assurance Emergency Lighting, a division of Assurance Engineering LLC

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