

# Si-200-PST

200 Watt Pure Sine Wave Emergency Lighting Inverter with "Power Share + Technology"



### 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	0.30 A (max)
Input Power	35 Watts (max.)
Output Voltage	120 - 277 Vac, 50 or 60 Hz Auto setting output voltage equal to input voltage
Output Power	200 Watts 150 Watts for 2 hour applications
Operating Time	90 Minutes minimum
Operating Temperature	0°C to 50°C ( 32°F to 122°F)
Auto Test	Monthly and Annual
Transfer Time	2 seconds (Max.)
Power Share Technology	Patent Pending Auto Adjust 0-10 Vdc to achieve rated 200 W emergency power for 90 minutes
Recharge Time	24 Hours
Remote Mounting Distance	1,000 ft (max. w/ 18ga wire)
Battery	Lithium
Dimensions	19"L x 4.5" W x 1.63" H
Weight	8.5 lbs.
Warranty	5 years full. See website for warranty details

## Description

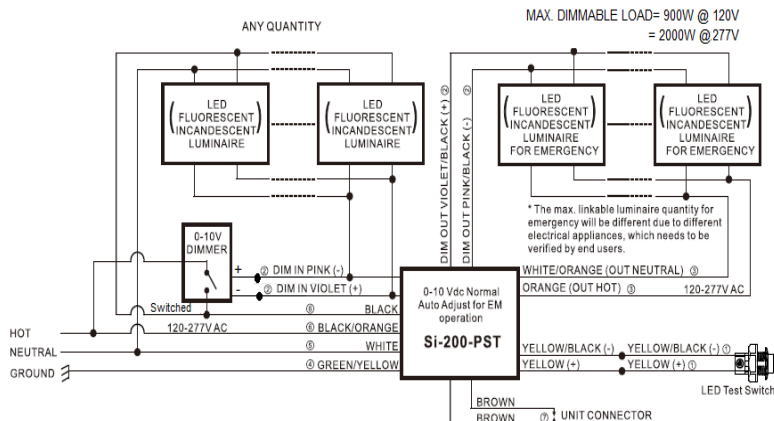
The Assurance Emergency Lighting Si-200-PST is a compact, versatile Auto-Test Pure Sine Wave Mini inverter designed for designated emergency lighting fixtures and includes PST+ Power Share + Technology. In the event of a power failure, the inverter will automatically supply up to 200 watts of emergency 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 standalone 200 watt inverter. It can be used with 0-10 Vdc linear driver controlled dimmable luminaires (up to 900W @120Vac or 2000W @277Vac) and adjust the 0-10 Vdc dimming voltage to the AC drivers for rated emergency output. Not compatible with logarithmic 0-10 vdc dimming drivers with PST operation.

## Specifications

Emergency Lighting shall be provided by the Assurance Si-200-PST mini inverter unit equipment designed to operate LED and fluorescent fixtures for 90 minutes in emergency operation upon a power failure regardless of wall switch position. The Assurance emergency lighting Si-200-PST is a compact Auto-Test Pure Sine Wave output inverter designed for designated emergency lighting luminaires and includes PST+ ( Power Share Plus Technology). For 0-10 Vdc dimming applications, Power Share Plus Technology allows for normal dimming to pass to normal/emergency luminaires in normal operation and auto adjust dimming driver 0-10 Vdc in emergency to achieve rated power of 200 Watts. Compatible with linear 0-10Vdc dimming drivers. **Not compatible with logarithmic 0-10 vdc dimming drivers with PST operation.** The maximum connected luminaire power is limited to 900 watts @120 Vac and 2000 watts @277 Vac for normal/emergency luminaires when wired with 0-10 Vdc applications and using the PST feature. For both dimmable and non-dimmable applications, the output will be limited to 200W at ambient temperature range of 0-50° C. The Si-200-PST shall perform a 90 minute annual and 30 second monthly test to ensure proper operation. The Si-200-PST shall be UL Listed (damp rating) for factory or field installation. It shall meet or exceed the requirements of UL924, NFPA 101 Life Safety Code, NFPA 70 National Electrical Code, OSHA California Energy Commission - Title 20 , State and Local codes. Warranty: Five years full. See website for warranty details. For 2 hour FEMA emergency operation, the Si-200-PST can be connected to up to 150W (max.) of normal and emergency loads. All Specifications subject to change without prior notifications.



### WIRING DIAGRAM FOR 0-10V DIMMABLE EMERGENCY LIGHTING SYSTEM



Assurance Emergency Lighting, a division of Assurance Engineering LLC

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