

Si-250

250 Watt pure sine wave emergency lighting inverter



Compatible with LED loads



Specifiers reference:

Project: _____

Type: _____

Model #: _____

Comments: _____

Product Summary

Approvals	UL Listed to UL924
Input Voltage	120 or 277 Vac (model dependant)
Input Current	2.7A (120 Vac), 1.2 A (277Vac)
Input Frequency	60 Hz
Power Factor	0.5 Leading to 0.5 Lagging
Output	120-277 Vac, 60 Hz
Output Current	2.08A (120 Vac), 0.9A (277 Vac)
Output Power	250 W
Output voltage regulation in emergency	+/- 5%
Output	Switched, Normally On, & Normally Off
Operating Time	90 Minutes @ 25°C
Self-Testing & Self-Diagnostic	
Monthly reported via visual user interface panel	
Transfer Time	50 msec
Recharge Time	24 Hours
Battery over voltage and under voltage protection	
Sealed long-life, valve-regulated, lead calcium batteries	
Dimensions	17.27”L x 11.09” W x 8.6”D
Weight	64 lbs.
Operating Temperature	68°F to 86°F (20°C to 30° C
Storage Temperature	-4°F to 158°F (-20°C to 70°C)
Warranty	2 years full on electronics, 4 years pro-rata on batteries, See website for warranty details



Description

The Assurance Emergency Lighting Si-250 is a sine wave output inverter designed for designated emergency lighting fixtures. In the event of a power failure, the inverter will automatically supply 250 watts of emergency power to LED, fluorescent and incandescent luminaires for ninety (90) minutes. It will operate with multiple switched, non-switched and emergency only luminaires.

Specifications

Emergency lighting shall be provided by the Assurance Si-250 inverter unit equipment designed to operate designated LED and fluorescent fixtures on emergency power at their full rating during the 90 minute emergency discharge cycle regardless of the local switch position. The inverter unit shall allow for connected emergency fixture(s) to be normally on, normally off or switched without affecting lamp operation during a power failure. The unit shall include a self-contained inverter section with an automatic, variable-rate battery charger, low battery voltage disconnect, short circuit and brownout protection. The unit shall utilize a valve regulated sealed lead calcium battery with a 10-year design life expectancy. The inverter shall be self-testing and self diagnostic and perform monthly self diagnostic test and report failures via user interface panel. The inverter system shall be UL 924 Listed. It shall meet or exceed the requirements of UL 924, NFPA 101 Life Safety Code, NFPA 70 National Electrical Code, OSHA and State and Local codes. Warranty: Two (2) years full on electronics and four (4) years pro rata on batteries. See website for warranty details. Per the California Energy Commission, Regulatory Advisory dated October 31, 2018, BACKUP BATTERY CHARGER SYSTEMS, the Si-250 is applicable and accepted for use in California.

All Specifications subject to change without prior notification.

Assurance Emergency Lighting, a division of Assurance Engineering LLC

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