

# Si-125

125 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** ..... 1.4A (120 Vac), 0.6 A (277Vac)
- Input Frequency** ..... 60 Hz
- Power Factor** ..... 0.5 Leading to 0.5 Lagging
- Output** ..... 120-277 Vac, 60 Hz
- Output Current** ..... 1.04A (120 Vac), 0.45A (277 Vac)
- Output Power** ..... 125 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** ..... 14.27" L x 10.09" W x 4.11" D
- Weight** ..... 32 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-125 is a sine wave output inverter designed for designated emergency lighting fixtures. In the event of a power failure, the inverter will automatical supply 125 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-125 inverter unit equipment designed to operate designated LED and fluorescent fxtures 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-125 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

Assurance Engineering LLC · 357 Cumberland Street · Memphis, TN 38112 · 1-877-774-4775 · www.assurancelighting.com