



Project

Type

Catalog Number

SPECIFICATIONS POWER

**APPLICATION**

- By itself, a single SI-L-A unit powers all emergency lighting for a building or space
- In a multi-inverter application, multiple SI-L-A's power a larger lighting load.
- Since larger inverters or generator systems are typically broken into multiple circuits, using several SI-L-A's provide greater reliability (no single point of failure), making trouble shooting easier.
- Unlike larger kW systems, the SI-L-A does not require a factory tech for service

**ILLUMINATION**

- Operates LED, CFL, fluorescent, halogen, and incandescent loads

**ELECTRICAL**

- 120V or 277V output
- Pure sine wave
- Suggested to derate inverter by 15% with all lighting loads to reduce inrush current

**CODE COMPLIANCE**

- UL924 Listed

**WARRANTY**

- 3 Year Electronics
- 6 Year Batteries



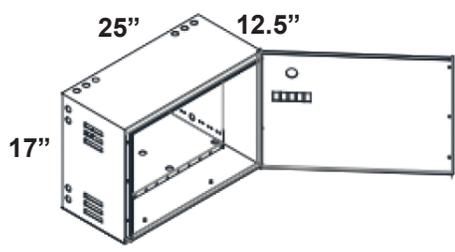
**SI-L-A**  
**500W, 1000W Inverter**

**ORDERING INFORMATION**

CATALOG #	Wattage	Voltage
SI-L-A-500W-120V	500W	120V
SI-L-A-500W-277V	500W	277V
SI-L-A-1000W-120V	1000W	120V
SI-L-A-1000W-277V	1000W	277V

**OPTIONS (Factory Installed)**

#CB	- 20A Circuit Breakers (1 already included)
<b>#Specify number of additional breakers</b>	
#TDCB	- 20A Time Delay Circuit Breakers (good for large LED loads)
HTR	- Heater
SD	- Self Test
DRI	- Dry Contacts



The SI-L-A Transfer Control will feed Utility Power through RL1 (see below). This will supply all emergency loads connected to the SI-L-A. Supervisory LED's will indicate that utility feed, inverter, and charger are all energized and operating properly. Test switch is easily accessible without opening cover and may be pressed to switch SI-L-A to emergency mode. The SI-L-A Transfer Control will feed pure sine wave Inverter Power through RL2 (see below). This will supply all emergency loads connected to the SI-L-A for up to 90 minutes. Optional RLS emergency lighting controls in each room allow emergency fixtures to be controlled from regular wall switches, occupancy sensors, or dimmers during normal operation, but will automatically illuminate emergency fixtures at full brightness during emergency operation. Up to 500W or 1000W of Fluorescent, Incandescent, LED, halogen, and CFL Loads. Upon power failure the SI-L-A will transfer from utility power to inverter power through relays RL1 and RL2 (see above). These relays are electronically interlocked with a time delay, which prevents arcing when transferring between two out of phase power sources. This safety feature protects the SI-L-A, loads, as well as expensive equipment on both sides of the inverter.

## Single Line Drawing

