

CEPS-A-1000

Central Emergency Power System Lighting Inverter (1000W)

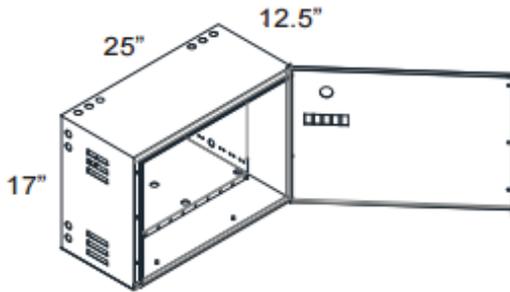
Project:

Model No.:

Comments:



MOUNTING



LED COMPATIBLE



UL924 LISTED



WARRANTY

APPLICATION

CEPS are typically used in one of three applications:

- In a standalone application, a single CEPS powers all emergency lighting for a building or space
- In a multi-inverter application, multiple CEPS power a larger emergency lighting load. Typically, the CEPS will be mounted in smaller electrical rooms or closets close to the lights powered by the inverter. Since large inverter or generator systems are typically broken into multiple circuits, using several CEPS provides greater reliability (no single point of failure), while making troubleshooting and service easier. Unlike large multiple kW systems, the CEPS does not require a factory service tech for service. This solution is economically competitive with standalone large systems in both initial and maintenance costs.
- In a generator backup application, a CEPS will provide power to emergency lighting during the period (up to several minutes) after utility power is interrupted, but before the generator starts up. If the generator fails to start, the CEPS will carry the entire emergency load for up to 90 minutes.

FEATURES

- Operates fluorescents, dimmable fluorescent ballasts, CFL, LED, halogen & incandescent loads.
- Self-resetting overload protection and fused output
- Automatic Output Voltage Tracking maintains output voltage at full load $\pm 3\%$
- 120VAC or 277VAC Pure Sine Wave Output 1000W load for 90 minutes
- Sealed Lead Calcium batteries provide long life and are maintenance free
- 3/6 Warranty (3 year replacement warranty on electronics, 6 year pro-rata warranty on batteries)
- Automatic low voltage battery disconnect, deep discharge protection, over-temperature shut down, and reverse polarity protection



LVS, Inc. 2555 Nicholson Street, San Leandro, CA 94577-4216

Phone: 510-352-9600 1-800-982-4587 Fax: 510-352-6707

www.lvscontrols.com

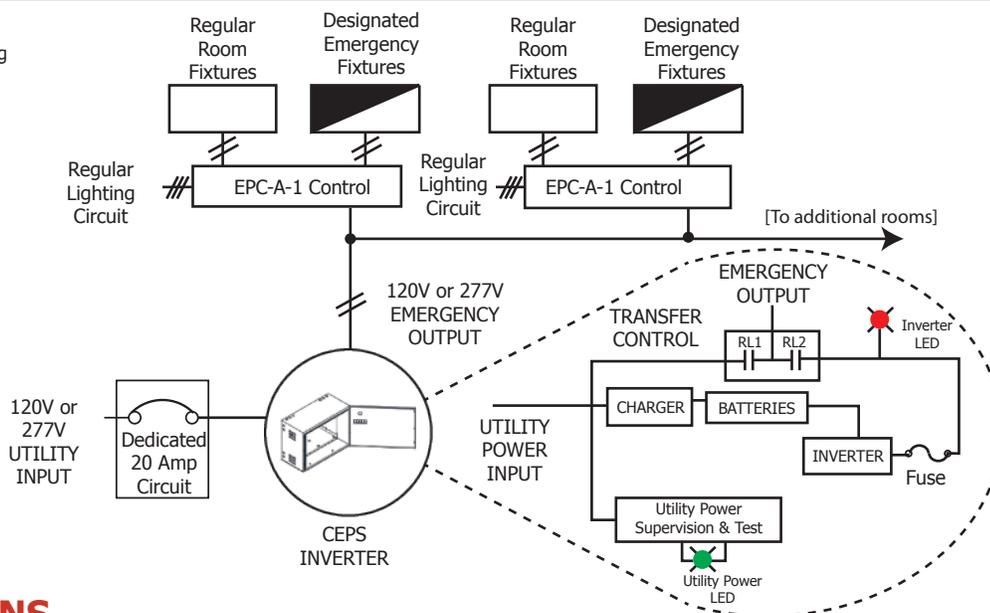
METHOD OF OPERATION

The **CEPS Transfer Control** will feed Utility Power through RL 1 (see below). This will supply all emergency loads connected to the CEPS. 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 CEPS to emergency mode. The CEPS Transfer Control will feed pure sine wave Inverter Power through RL2 (see below). This will supply all emergency loads connected to the CEPS for up to 90 minutes. Optional EPC 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 1000 W of Fluorescent, Incandescent, LED, halogen, and CFL Loads. Upon power failure the CEPS 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 CEPS, loads, as well as expensive equipment on both sides of the inverter.

SINGLE LINE DRAWING

Note: LVS suggests to derate inverter by 15% with all lighting loads to greatly reduce inrush related problems.



SPECIFICATIONS

ELECTRICAL	MODEL NO.	CEPS-A-1000W
	SENSING INPUT	120VAC / 277VAC
	LOAD	1000W
	WARRANTY	3/6 Warranty (3 year replacement warranty on electronics, 6 year pro-rata warranty on batteries)
	TEMPERATURE	40 °F to 100 °F (4.4 °C to 37.8 °C)
	BODY SIZE	25" x 17" x 12.5"

ORDERING INFORMATION

CEPS - A - 1000 - Volt - # of CB

ADDITIONAL RESOURCES

- Installation Sheet
- FAQ Sheet
- Alternative Wiring Sheet
- Terms & Conditions/Warranty Information

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