

ContainerPower Energy Solutions

Emergency home inverter output voltage



Overview

In case of error or emergency, the unit will convert the battery voltage stored in the chemical form into the electric power and supply it to the inverter where the DC voltage from the battery will be converted into the AC voltage at 220VAC 50Hz to turn on the emergency light. What is an emergency inverter system?

Inverter systems are made up of a set of DC batteries and electronics that can convert the DC power from the batteries into an AC power source needed for the emergency lighting loads. Emergency inverter systems will provide enough emergency AC power for the required time to exit the building if necessary.

How do I use an inverter for emergency power?

A very simple way to use an inverter for emergency power (such as during a power outage), is to use a car battery (with the vehicle running), and an extension cord running into the house, where you can then plug in electrical appliances. More Questions?

(Back to FAQ).

Can the Eli-S-100 emergency lighting inverter operate a non-dimmable load?

*Note: The ELI-S-100 Emergency Lighting Inverter (ELI) can operate a total non-dimmable load from 0-100VA. For a dimmable load, this is accomplished by dimming the connected luminaires to a reduced power level while they are being operated as emergency lighting sources during power outages.

Does Myers EPs offer emergency lighting inverters?

Myers EPS offers a full line of three phase emergency lighting inverters that provide up to 50kVA/kW of backup power for larger facilities and campuses. The Illuminator CIII is also available as an OSHPD rated unit—contact the factory to learn more.

How does the Bodine elis-100 emergency lighting inverter work?

The Bodine ELI-S-100 Emergency Lighting Inverter works in conjunction with a fluorescent or LED fixtures to create an emergency lighting system. The ELI-S-100 operates a maximum load of 100VA at unity power factor. It allows the connected fixture(s) to be on, off, switched or dimmed without affecting emergency operation.

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