LVS CEPS
Central Emergency Power System
Battery Pack Eliminator & Generator Backup

STOP

Don’t specify emergency fluorescent battery packs
Because you will throw them away every 6 years...
Again &
Again &
Again

FACT:
Total cost of replacing and testing a single battery pack over 25 years is staggering

A self-contained Central Emergency Power System

- Silently & safely replaces up to 25 emergency fluorescent battery packs
- Compatible with Electronic & Magnetic Fluorescent Ballasts, Incandescent, CFL, halogen, and LED loads.
- Available in 120 Watt, 240 Watt, 350 Watt, and 850 Watt sizes, for any application
- 120V, 240V, 277V 50 or 60 Hz availble
- Full power for 90 minutes, built in transfer

850W Panel
120W
240W
350W
Mini-Panel

UL924 LISTED EMERGENCY LIGHTING EQUIPMENT 73PK
The CEPS control module will feed Utility Power through RL 1 (see above). 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-850 to emergency mode.

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 control equipment on both sides of the inverter.

Because accidental tripping of dedicated 20 Amp breaker will force CEPS into emergency operation, an audible buzzer will sound, informing maintenance personnel of a problem.
Efficient:

Eliminating waste & unnecessary labor.

- No individual battery packs to replace means lower maintenance costs, quick testing, and greatly reduces electronic waste - only central batteries need to be replaced, not entire units.
- High efficiency, pure sine-wave inverter delivers full output throughout 90 minute operation.
- Automatic diagnostics through patented EPC-A-1
  Every day testing alerts room occupants and custodians of problems with tubes, ballasts. When room switch is turned off emergency lights stay on for 2.5 or 5 seconds (depending on model) to ensure compliance with NFPA 101 and eliminate lengthy and costly monthly testing procedures, which in some districts requires fire marshal supervision.

The CEPS is housed in a custom, powder coated, metal panel engineered for strength, but still lightweight to reduce shipping charges and allow easy, single person handling and installation.

Simple:

The CEP is designed with the installer & user in mind.

- Quick disconnects and an innovative battery harness make installation and maintenance easy.
- Modular Design - All major components are field replaceable.
- Provides line voltage to any load you specify, compatible with fluorescent, incandescent, LED, halogen, and CFL loads.
- Designated emergency fixtures will operate at full brightness, eliminating tedious calculations and guesswork.

Safe & Reliable:

Built & Engineered to Last

- Visible LED indicators supervise input, output, and charging circuits. (3 LED for 850W model, 2 LED for other model)
- Protection for overload, reverse polarity, shorts, operating temperature and more.
- Designed for 25 year trouble-free operation
- Full 3 year warranty on components
- 6 year pro-rata warranty on batteries
Central Emergency Power System
Model CEPS-WATT-VOLT-FREQUENCY

**Applications**
- Schools
- Offices
- Theaters
- Hotels/Motels
- Hospitals
- Rest Homes
- Court Houses
- Parking Garages
- Theaters
- Stores

**UL924 LISTED**
EMERGENCY LIGHTING EQUIPMENT
73PK

Custom Engineered Metal Cabinet
Batteries, Inverter, Transfer Switch,
Battery Charger included
Light Biege Color, Epoxy Painted

Can be installed in any place
such as utility closets or any
other ventilated area.

**Safety & Protection**

- **Safe, momentary overload:**
  - Up to 1500 W, for safe operation when using incandescent loads.

- **Audible Warning Buzzer (only 850W):**
  - Interruption of Utility Power
  - Battery Charger Supervision

**Safeguards & Special Features**

- Input & Output Fuses
- 120VAC or 240VAC or 277VAC Pure Sine Wave Output 120Watt, 240Watt, 350Watt, 850Watt
- Automatic Output Voltage Tracking maintains output voltage at full load at 120V ± 3% for a full 90 minutes emergency operation.
- Operates fluorescents, dimmable fluorescent ballasts, CFL, LED, halogen & incandescent loads.
- Distortion (THD): Less than ± 3%
- EMI in compliance with FCC Class A Regulation
- Test switch to simulate utility power loss.
- Efficiency: 99% at 850 Watt Load
- 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)

- Thermostat Controlled Silent Cooling Fan
- Load Power Factor: 0.9 leading to 0.9 lagging
- 1.5 seconds transfer time to protect against momentary ON/OFF voltage surges caused by power line hitting wet pavement or other power lines during a storm.
- Operating Temperature: 40°F to 100°F
- Frequency Regulation: ± 3%
- Input 5 W Power Consumption when batteries are fully charged. 120V, 240V, or 277V
- Automatic low voltage battery disconnect, over-temperature shut down, and reverse polarity protection.
- Automatic Emergency Fixture Diagnostics when used in conjunction with EPC-A-1 to eliminate monthly test of emergency fixtures.
- GFCI Protection for 120V models

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