



## UL924 Central Emergency Lighting Inverters

Perfect Power Systems designs and manufactures Central Emergency Lighting inverters from start to finish. We manufacture them at our ISO 9001 Certified headquarters and manufacturing facility in Los Angeles, CA. Our Inverters are in operation in a wide range of applications including: office buildings, schools & churches, hospitals, banks & hotels, shopping centers and municipal buildings. Vandal Proof units are installed in parking garages, bridges & tunnels, sport stadiums & toll booths, railroads, roof tops, and anywhere extreme weather presents a concern.

### Power Lite: Small Wall Mountable

Power Rating: 200, 300, & 490 Watts  
 Input Volt: 120V or 277V  
 Output Volt: 120V or 277V

### Power Guard: Small size inverter

Power Rating: 500 to 2100 Watts  
 Input Volt: 120V or 277V  
 Output Volt: 120V or 277V

### Power Ride 1: Single Phase

Power Rating: 2.1 to 17 KW  
 Input Volt: 120, 208, 240, 277, 480V  
 Output Volt: 120, 208, 240, 277, 480V

### Power Ride 3: Three Phase

Power Rating: 8 to 50 KW  
 Input Volt: 208Y/120 or 480Y/277V  
 Output Volt: 208Y/120 or 480Y/277V

### Power Ride 4: Three Phase

Power Rating: 48 to 400 KW  
 Input Volt: 208Y/120 or 480Y/277V  
 Output Volt: 208Y/120 or 480Y/277V

## FEATURES

- ◆ CSA Listed to UL924, UL924A, & UL1778
- ◆ Advanced, High-Frequency Technology for all type of Incandescent, HID, LED, HPS, Fluorescent
- ◆ Sinusoidal Waveform
- ◆ Pulse Width Modulated (PWM)
- ◆ Continuous Self-Diagnostics
- ◆ Double Conversion Technology
- ◆ RS232/485 Local port
- ◆ Auto Self Testing
- ◆ 92% Efficiency
- ◆ Seismic Rated with Bracket Kit
- ◆ Remote Monitoring
- ◆ Microprocessor Controlled
- ◆ 90 minute Run Time @ 100% Load
- ◆ Global Monitoring System (GMS): Local & Remote (Dial-up, Web/ SNMP) plus Event Logging
- ◆ 1 Year Factory Warranty



## Outdoor Harsh Environment Central Lighting Inverter

### EXT Series:

Power Rating: 2.1 to 17 KW, *Single Phase*  
Input Volt: 120, 208, 240, 277, 480V  
Output Volt: 120, 208, 240, 277, 480V

- ◆ Heavy-duty, Weather-proof NEMA 3R Enclosure in Steel (painted), Anodized Aluminum or Stainless Steel
- ◆ Operation Temp. from -40 °C to 58 °C
- ◆ Tamperproof, triple locking design
- ◆ Listed to UL924 Lighting & UL1778 UPS std, by CSA and CAN/CSA C22.2 No 107.3-05
- ◆ LED, Incandescent, Fluorescent, HID lamps
- ◆ Power Factor Corrected Front End
- ◆ Pulse Width Modulated (PWM) design with Sine Wave output
- ◆ 3 stage temperature-compensated Battery Charger
- ◆ Optional Strip Heater with adjustable thermostat
- ◆ Internal Maintenance Bypass Switch
- ◆ Lightning Arrestor/Surge Suppressor
- ◆ Optional Remote Monitoring
- ◆ Uninterrupted,  $\pm 0.3\%$  Voltage regulated, continuous sinewave out for use with "normally on" lighting fixtures and exit lamps
- ◆ RS232 and RS485 ports
- ◆ Pre-wired for GMS



## GMS Global Monitoring Systems

The most advanced Local/Remote Monitor, Data/Event Logging via SNMP, Wire/Wireless

The GMS keeps you informed 24 hours a day from a distance (email, text message, report) to prevent costly problems of your power system.



## Battery Tracker Battery Monitoring Systems

Measure and record battery voltage, string voltage, string current, cabinet temperature and battery impedance.

User selectable measurements interval (second - hour - daily) monitors each battery's ohmic value.



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DESIGNING  
EXCELLENCE  
into every product...



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