



Light Power LPS Series

CENTRAL LIGHTING MICRO INVERTERS

DATE: _____ LOCATION: _____

TYPE: _____ PROJECT: _____

CATALOG #: _____

LIGHT POWER™

FEATURES

- AC output provides full lumen output for emergency lighting loads in commercial or industrial applications
- Compatible with incandescent, LED, compact and linear fluorescent lamps
- White painted steel enclosure
- Offline operation for greater efficiency
- Maintenance-free Lead-Calcium or Nickel-Cadmium batteries
- Temperature range: 20°C to 30°C (68°F to 86°F)
- UL 924 Listed
- UL 2043 (Plenum Air Handling Spaces) for T-Grid Models



Surface Mount Model



Recessed Ceiling Mount T-Grid Model



Recessed Wall Mount Model



SPECIFICATIONS

APPLICATION

- Designed for indoor installation in commercial or industrial applications, LIGHTPOWER™ Series micro inverter systems provide sinusoidal Emergency AC power to lighting fixtures equipped with incandescent, linear fluorescent, compact fluorescent or LED lamps between 20 and 55 watts.
- The lighting load can be installed at a distance of up to 1,000 feet from the LIGHTPOWER™ micro inverter.
- Observe all required AC conductor sizing requirements. Ceiling T-Grid mount models approved for use in City of Chicago.

CONSTRUCTION

- The LIGHTPOWER™ enclosure and cover are constructed of heavy-duty, 20 gauge steel with a white powder-coat paint finish.

OPERATION

- When normal utility supplied power is interrupted, the LIGHTPOWER™ Series unit will automatically transfer to emergency mode in less than 1-second and begin supplying pure sinusoidal AC power to the load for 90 minutes.
- The unit is capable of operating normally on, normally off, or switched loads. A low voltage battery disconnect circuit will prevent “deep discharge” damage to the battery.
- AC lockout prevents battery discharge prior to initial unit power-up.
- The charging circuit will bring the batteries to full recharge within UL time standards.
- A “brownout” circuit will automatically transfer the unit to emergency power if the utility voltage falls to a predetermined “low line” limit.

COMPLIANCES

- UL 924 (Emergency Lighting)
- UL 2043 (Plenum Air Handling Spaces) and City of Chicago (CCEA) for T-Grid Models
- Life Safety Code (NFPA 101)
- National Electrical Code (NFPA 70)
- OSHA, State and Local Code compliant

WARRANTY

Unit and Electronics: 3 years full*

Batteries: SLA Lead Calcium: 3 years full, 7 years pro-rata

Nickel Cadmium: 2 years full, 13 years pro-rata

*excludes fuses

Batteries must be connected to an energized charging circuit within 90 days from date of shipment or warranty is void.



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ORDERING GUIDE

Example: LPS20R

CATALOG #

LPS		Capacity		Mounting		Accessories (Order Separately)	
Model							
LPS	Central Lighting Micro Inverters	20	20 VA/W ¹	S	Surface Wall	RTSLP	Remote Test Switch
		32	32 VA/W ²	R	Recessed Wall ¹		
		35	35 VA/W ¹	T	Recessed Ceiling T-Grid		
		55	55 VA/W ²				

Notes:
 1 Nickel-Cadmium battery type
 2 Lead Calcium battery type

SPECIFICATIONS

ELECTRONICS

Input/Output: 120/120VAC or 277/277VAC, 60 Hz

Input/Output Connections: Terminal block

Operating Temperature Range: 20°C to 30°C (68°F to 86°F)

Charger Type: Temperature compensated, dual-mode

AC Lockout: Prevents battery discharge following installation when branch circuit AC power is not present.

Low Voltage Battery Disconnect: Protects the battery from damaging "deep discharge" conditions during prolonged power failures.

Brownout Protection: Automatically transfers to emergency power when utility voltage drops to a point that would cause fluorescent lamps to extinguish.

Overload and Short Circuit Protection: AC and DC protection provided by fuses and automatic shut down.

Test Means: Manual "TEST" button.

LED Indicators: "AC-ON" (red), "Charging-ON" (green), "Inverter-ON" (amber).

BATTERIES

LPS32/LPS55: SLA lead calcium with 10 year rated life.

LPS20/LPS35: Nickel-Cadmium with 15 year rated life.

	LPS32	LPS55	LPS20	LPS35
Power Rating (VA/W)	32	55	20	35
Power Factor Range	0.44 lead to 0.44 lag			
Temp Range (°C)	20-30			
Weight (lb) with batteries	14	18	11	12
Maximum Input Current (A)	120 VAC: 0.34 A 277 VAC: 0.15 A	120 VAC: 0.54 A 277 VAC: 0.23 A	120 VAC: 0.25 A 277 VAC: 0.11 A	120 VAC: 0.37 A 277 VAC: 0.16 A
System DC Voltage	12			
Recharge Time (Hr)	96			



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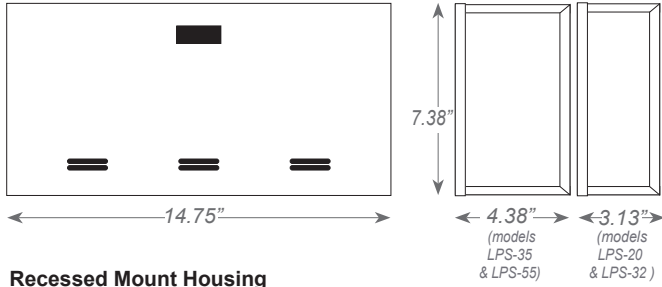
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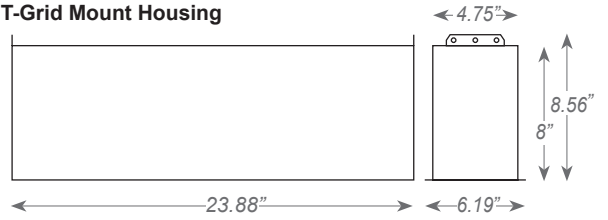
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DIMENSIONS

Surface Mount Housing



Ceiling T-Grid Mount Housing



Recessed Mount Housing

