

# ISI-LPS Series

Standard Transfer Central Inverter



**Inverter Systems, Inc.**

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## Mini Emergency Power Source For LED, Fluorescent, Incandescent, and Electronic Low Voltage



UL 924 Listed  
Self-Testing  
Self-Diagnostic



Less Than  
1.0 second  
Transfer Time



UL Listed  
for Damp  
Locations

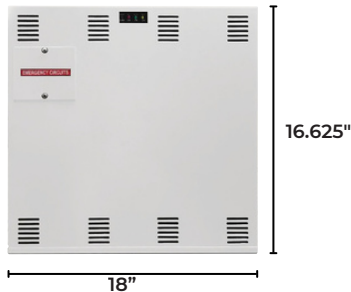


NFPA 101  
Life Safety  
Code



Buy  
American Act  
Compliant

Depth = 8.25" both models



**LPS-375 MODEL**



**LPS-600 MODEL**

### OPERATION

The Upon failure of the normal utility power the LPS unit is automatically turned on by a solid state switching circuit and provides a minimum of 90 minutes of emergency power to the connected load. Lumen output will be maintained at 100% of the lamp's rating throughout the entire duration.

A solid state low voltage disconnect circuit is used to protect the battery from being severely damaged by a deep discharge. When normal utility power is restored, the unit switches the load back to normal utility operation and the fully automatic, temperature, compensated, dual mode charger begins to restore the battery; bringing it to full charge within UL924 specification.

### STANDARD FEATURES

- Input Surge Protection: Meets UL924
- "Soft Start" design reduces fixture inrush current
- Efficiency Rating: 98% at full rated load (line)
- Waveform: Sinusoidal (digitally controlled)
- Transfer Time: Less than 1.0 second
- Housing: Heavy duty steel cabinet is finished in white baked-on powder paint providing scratch on corrosion resistance.
- Battery: Long-life, Maintenance free, Sealed Lead Calcium (10 year life)
- Runtime: 90-minutes standard
- Optional special color paint (-SP) finishes are available, consult factory
- Units may be installed up to 1000 ft. from controlled fixture
- Lumen output from fixture is 100% of nominal
- Compatible with dimming ballasts
- Normally-On and/or Normally-Off load output

### SYSTEM STATUS MONITORING PANEL

The unit is provided with a monitoring panel on the front. The panel provides a test switch for user initiated system tests and a 3-LED array that provides visual indication.

### IMPROVED AESTHETICS

The system's sinusoidal output eliminates voltage drop and proximity concerns. This provides installation capabilities for units installed 100 feet from the unit.

### SYSTEM ADVANTAGES

Compared to traditional discrete emergency lighting units, the LPS Series provides emergency illumination from a single power source resulting in lower maintenance overhead and routine testing expenses. LPS units lower installation costs by powering existing lighting fixtures during emergencies. And because connected fixtures are driven at full, they provide far superior egress lighting and improved occupant safety.

### SPECIFICATIONS

- Input Voltage: 120 or 277 VAC (Field Selectable) 60 Hz  $\pm 2\%$   
Two (2) wire jumpers provided
- Input Protection: Provided by Service Panel rated at 20A max
- Output Voltages: 120 or 277 VAC (Field Selectable) 60 Hz  $\pm 0.3$  Hz
- Output Distortion: Less than 3% THD (linear load)
- Static Voltage:  $\pm 5\%$  during battery discharge. 0-100% linear load.
- Load Power Factor: 0.44 Lead to 0.44 Lag
- Output Protection: Circuit Breaker
- Mounting: Surface mount models are designed for wall mount by means of keyhole slots in the back of the unit.
- Minimum Loading: 0% of rated system capacity
- Microprocessor-Controlled, 3-Stage Battery Charger
- Alarms Include Monthly Test Fault, Yearly Test Fault, Charger Fault, Load Reduction Fault, Output Voltage Low, Output Voltage High, Overload Fault, Low Voltage Disconnect, Heatsink Over Temp and Input Fuse Failure
- 10kAIC at 120VAC; 1.5kAIC at 277VAC
- Inverter Operating Temp. 32°F/0°C to 104°F/40°C
- Battery Operating Temp. 68°F/20°C to 86°F/30°C per UL 924 Specifications

# ISI-LPS SERIES

Mini Emergency Power Source  
Systems 375VA/W to 600VA/W

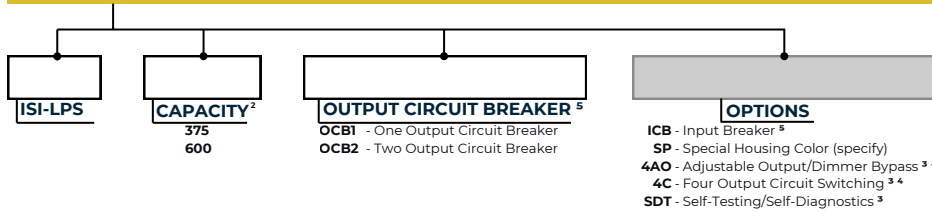


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## ORDERING GUIDE

EXAMPLE MODEL # ISI-LPS-1150-OCB3-4AO-SDT

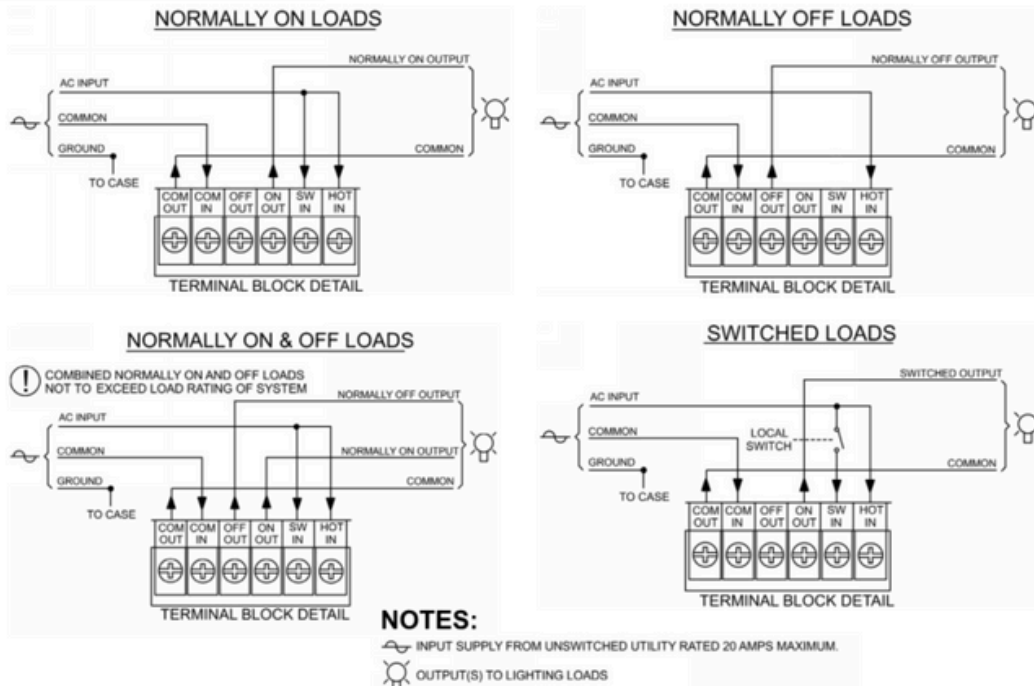


1. Other options available
2. Some options may impact product UL listing. Consult factory.
3. For more information, separate specification sheets are available on the -4AO, -4C and -SDT options. Consult factory.

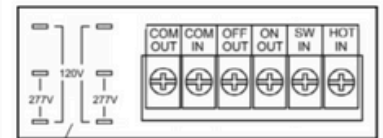
= Required feature for part number.

= Optional feature. Not required for part number.

## STANDARD WIRING DIAGRAM:



## VOLTAGE SELECTION DETAIL:



**NOTE:**  
Factory terminated jumper wires are provided with LPS Systems for making user selected input/output voltage connections.

## GENERAL SPECIFICATIONS

Partial Model Number	Power Rating (VA / W)	System Weight (lbs. / kg.)	Number of Batteries	Battery Voltage (VDC)	Battery Current (ADC)	AC INPUT CURRENT (MAX)		POWER CONSUMPTION (CHARGER ONLY)		THERMAL OUTPUT (BTUs)		HOUSING DIMENSIONS		
						120 VAC	277 VAC	STANDBY	MAX	ON-LINE	EMERGENCY	LENGTH	HEIGHT	DEPTH
ISI-LPS-375	375	113/51.3	5	60	7.3	3.43	1.49	2.5	37	11	205	18.0"	16.625"	8.25"
ISI-LPS-600	600	172/78.1	8	96	7.1	5.50	2.38	5	56	15	275	18.0"	25.25"	8.25"