

SPS SERIES INVERTER EMERGENCY POWER SYSTEMS

PRODUCT DESCRIPTION

The **SPS Series** is designed to provide up to 220W/250VA of emergency power to incandescent, fixtures. The SPS unit provides clean, sinusoidal AC power allowing it to be remotely up to 1000 feet away from the controlled fixture(s). Unlike a ballast fluorescent emergency pack, the SPS provides power to the input side of the fixture, (including the ballast) eliminating any chance of incompatibility. The SPS Series is designed primarily for surface mounting, however, the SPS-55/125 and SPS-110/125 models provide optional housings for recessed or ceiling T-Grid mounting if required. All SPS systems will provide emergency power output for a minimum of 90 minutes.

STANDARD FEATURES

Construction and Materials

- Heavy duty steel cabinet is finished in white based-on powder providing scratch and corrosion resistance.

Electrical System

- Power: 55W/125VA, 110W/125VA, 110W/250VA, 220W/250VA
- Input Voltage: 120/277VAC
- Input Protection: AC Line Fuses
- Output Voltage: 120/277VAC
- Output Protection: Line and inverter fuses
- Efficiency Rating: 98% at full rated load (line)
- Waveform: Sinusoidal (digitally controlled)

Features

- Sinusoidal output eliminates compatibility problems
- "Soft Start" design reduces fixture inrush current
- Normally-ON and/or Normally-OFF load output
- Provisions for local switching capability - Always on during emergency conditions regardless of local switch position
- Emergency fixtures can be ON, OFF or SWITCHED
- AC-ON, Charge-ON and Inverter-ON LED indicators

Mounting

- Surface Mount (Standard Models)

Certifications and Compliance

- All models are UL924 Listed and meet NFPA 101 Life Safety Code, NEC, OSHA, Local and State Codes. Optional T-Grid models are plenum rated, to UL2043 and meets city of Chicago CCEA Requirements.
- UL Listed for damp locations (20° - 30°C).
- Optional -CEC models are Certified to CEC Under Title 20 regulations
- FCC Part 15 Class A Compliant.

Batteries and Charger

- Battery: Sealed Lead Calcium (10 year life)
- Battery Voltage: 24VDC for SPS-55/125, SPS-110/125 models and 48VDC for SPS110/250, SPS220/250 models
- Runtime: 90-minutes standard - based on battery performance at (25°C). Other runtimes available, consult factory.
- Charger Type: Fully automatic, temperature compensated, dual-mode charger
- Power Consumption (Charger Only): **15W maximum (2.5W in standby)** for SPS-55/125, and SPS-110/125 models. **30W maximum (5W in standby)** for SPS110/250, and SPS220/250 models
- Operating Temperature Range: 20°C to 30°C

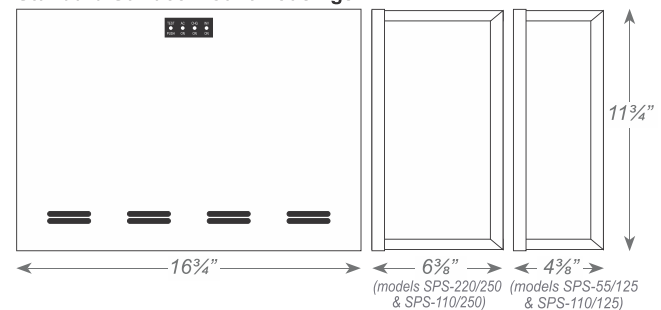


OPTIONAL FEATURES

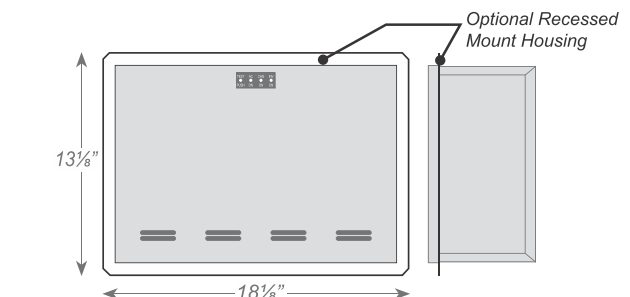
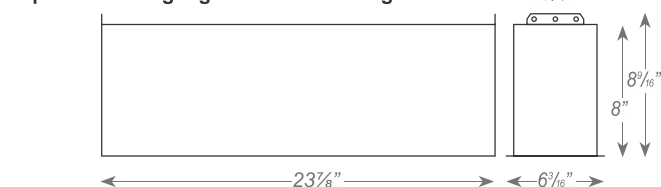
- Optional special color paint (-SP) finishes are available. Consult factory.
- Recess Mount (SPS-55/125, SPS-110/125 Only)
- T-Grid Mount (SPS-55/125, SPS-110/125 Only)

DIMENSIONS

Standard Surface Mount Housings



Optional Ceiling T-grid Mount Housing

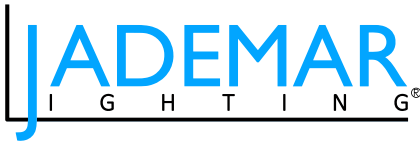


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SPECIFICATION SUBMITTAL DETAIL



Project Name/Type:		Date:	
Catalog/Part #:			

SPS SERIES INVERTER EMERGENCY POWER SYSTEM

Ordering Information / Example: **SPS-55/125-SF**

SPS	-		-	
Product Series	Power		Mounting Options	
SPS	55/125	55Watts / 125VA	SF	Surface Mount (Standard)
	110/125	110Watts / 125VA	RM	Recess Mount (For SPS-55/125, SPS-110/125 Only)
	110/250	110Watts / 250VA	TG	T-Grid Mount (For SPS-55/125, SPS-110/125 Only)
	220/250	220Watts / 250VA		

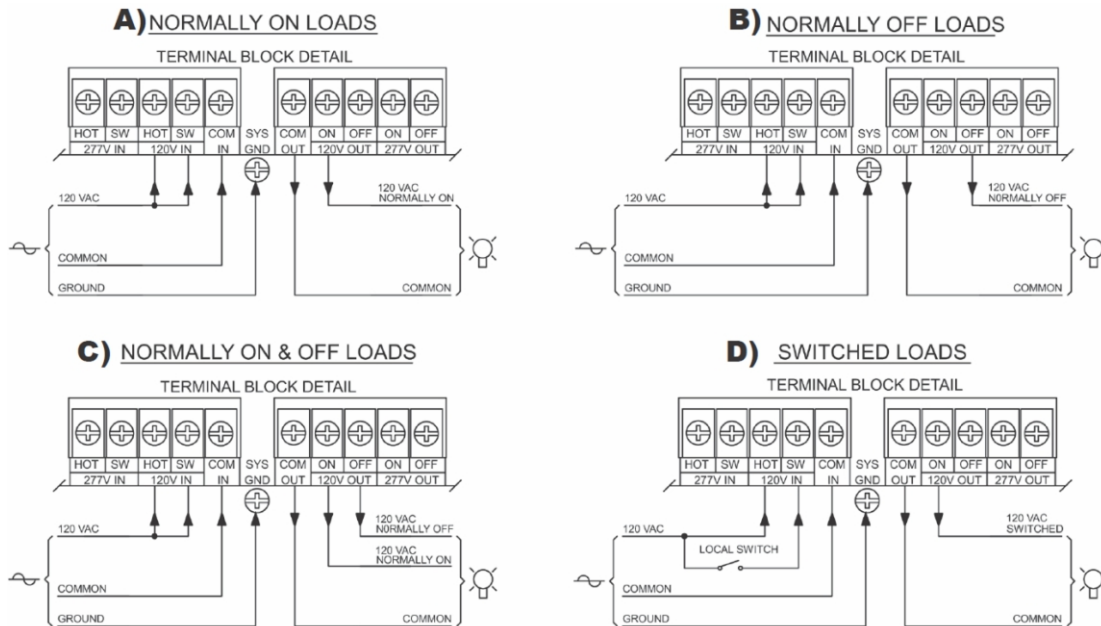
ELECTRICAL DATA

MODEL NUMBER	INPUT / OUTPUT VOLTS	CAPACITY for 1½ Hrs.		SYSTEM WEIGHT*		ON-LINE SYSTEM EFFICIENCY (full load)	NUMBER of BATTERIES	BATTERY VOLTAGE (VDC)	BATTERY CURRENT (amps)	AC INPUT CURRENT		THERMAL OUTPUT in BTUs	
		WATTS	VA	Lbs.	Kg.					120VAC (max)	277VAC (max)	ON-LINE	EMERGENCY
SPS-55/125	120/277	55	125	30.0	14	98%	2	24	3.4	1.2	0.52	9	90
SPS-110/125	120/277	110	125	42.0	17	98%	2	24	5.7	1.2	0.52	9	95
SPS-110/250	120/277	110	250	45.2	21	98%	4	48	3.3	2.4	1.10	18	163
SPS-220/250	120/277	220	250	60.0	27	98%	4	48	5.6	2.4	1.10	18	167

* System weights shown include installed batteries

WIRING DIAGRAM

120VAC Connections



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WIRING DIAGRAM

277VAC Connections

