



SPS MINI-TOWER OFF-LINE UPS

The SolaHD SPS Series by Emerson provides economical protection from damaging impulses and power interruptions. These units include three outlets for critical devices needing battery back-up and surge protection. The SPS is ideal for industrial environments as well as point of sale and office applications.

APPLICATIONS

- PCs
- Workstations
- Computer Terminals

FEATURES

- Lightweight, compact design
- NEMA 5-15R outlets, protected by battery and surges
- USB communications Interface
- Cable included with free software download
- Two year limited warranty

CERTIFICATIONS AND COMPLIANCES

- cULus Listed, UPS Equipment
— UL 1778, CSA C22.2 No. 107.3
- RoHS Compliant

RELATED PRODUCTS

- Surge Protective Devices
- Active Tracking® Filters
- Portable MCR Power Conditioners

SELECTION TABLE

Capacity (VA/W)	Catalog Number	Volts, Frequency In/Out	Typical Back-up Time (minutes)	Input Plug/ Output Receptacle
850/510	SPS850	120 Vac, 60 Hz	2.5	5-15P / Three 5-15R

SPS ACCESSORIES

Catalog Number	Description	Approx. Ship Weight lbs (kg)
SLNSPSPMBRK	Wall/panel mount bracket kit for SPS (600 VA~850 VA) UPS	1.0 (0.45)

SOLAHD

For product information:
www.solahd.com
1.800.377.4384



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SPECIFICATIONS

Catalog Number	SPS850
Topology	Offline
Capacity (VA/W)	850/510
Dimensions	
Unit (H x W x D) - in. (mm)	5.6x4.1x11.82 (142x104x300.2)
Ship Weight - lbs (kg)	8.16 (3.7) ± 10%
Input Parameters	
Voltage	120 Vac -25% / +20%
Frequency	60 Hz +/- 10% (auto sensing)
Input Power Cord	5 ft. with NEMA 5-15P
Output AC Parameters	
Voltage (Battery Mode)	120V±10%
Frequency (On Battery)	60 Hz
Auto Voltage Regulation (AVR function under Normal Mode)	N/A
Overload Protection	Breaker Protection
Short Circuit *OSCP is Output Short Circuit Protection	1. The Output current continues over 250% within 60ms to OSCP* and then goes to Battery MODE. 2. UPS goes to retry mode every 10 seconds until the Battery Voltage (V_b) < 11V/cell. 3. The Battery recharges when the V_b > 12.7V/cell, then UPS continues retry mode every 10 seconds. 4. UPS goes to auto recovery mode until the short circuit disappears then goes back to LINE Mode.
Battery Parameters	
Battery Type	VRLA, maintenance free, sealed, lead-acid cells
Transfer Time	Typical: 8ms, max. <10ms@AC mode to backup mode
Typical Recharge Time	8 hours
Environmental	
Operating Temperature	0 to +40°C
Storage Temperature	-15 to +45°C
Relative Humidity	0% to 90% relative humidity, non-condensing
Audible Noise	≤40 dBA without audible alarm beyond 1m at rated load
Standards	
EMC	FCC Part 15, Subpart B, Class A; EN62040-2; EN55032; CISPR22
Surge Protection	Meets IEEE C62.41, Category A
Certifications	cULus Listed, UPS Equipment UL 1778, CAS C22.2 No. 107.3