



## 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

-  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](http://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	<ol style="list-style-type: none"> <li>1. The Output current continues over 250% within 60ms to OSCP* and then goes to Battery MODE.</li> <li>2. UPS goes to retry mode every 10 seconds until the Battery Voltage (<math>V_b</math>) &lt; 11V/cell.</li> <li>3. The Battery recharges when the <math>V_b</math> &gt; 12.7V/cell, then UPS continues retry mode every 10 seconds.</li> <li>4. UPS goes to auto recovery mode until the short circuit disappears then goes back to LINE Mode.</li> </ol>
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

# Mouser Electronics

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