

SSW MINI-TOWER LINE-INTERACTIVE UPS

SSW

The SolaHD SSW Series by Emerson is an economical choice for those applications requiring the performance of a sinewave output, line interactive UPS with the mini-tower shape for cabinet installations. The SSW Series protects against most severe power disturbances through state-of-the-art, line-interactive technology.

APPLICATIONS

- Workstations
- PLCs
- Robotics and Process Control
- Industrial Automation Systems
- Automatic Service & Dispensing Equipment

FEATURES

- Mini-Tower design for control cabinet installation
- Automatic voltage regulation (AVR) topology saves battery power for deep voltage sag situations
- Sine wave output
- User replaceable, “hot swappable” batteries
- USB communications port
- Built-in surge protection
- Cold start capability
- Power management software available (UPSWATCH).
- 50/60 Hz auto sensing
- Protects against most adverse power conditions including:
  - — Frequency variations
  - — Surge
  - —Sags
  - —Spike
  - — Blackouts
  - — Over and under voltages
- Two year limited warranty

CERTIFICATIONS AND COMPLIANCES

- c UL us Listed, UPS Equipment
  - — UL 1778, CSA C22.2 No. 107.3
- IEEE C62.41, Category A & B
- RoHS Compliant

RELATED PRODUCTS

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

BATTERY BACK-UP TIMES CHART

Model	SSW700	SSW1000	SSW1500
Load (%)	Run-Time (minutes)		
20%	40	30	40
40%	20	14	18
50%	15	11	12
70%	10	7	5.5
100%	5	3	2.6

Note: Run times in this table are approximate. Based on new, fully charged standard batteries at a temperature of 25°C (77°F) with 100% resistive UPS loading. Run times listed above can vary by +/-5% due to manufacturing variances of the batteries.

SOLAHD

For product information:
www.solahd.com
1.800.377.4384

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SPECIFICATIONS

Catalog Number	SSW700	SSW1000	SSW1500
Topology	Line Interactive sinewave		
Capacity (VA/W)	700/480	1000/750	1440/1200
Dimensions			
Unit (H x W x D) - in. (mm)	9.09 x 6.69 x 12.4 (231 x 170 x 315)	9.09 x 6.69 x 12.4 (231 x 170 x 315)	9.09 x 6.69 x 16.97 (231 x 170 x 431)
Ship Weight - lbs (kg)	28.44 (12.9) ± 10%	32.41 (14.7) ± 10%	50.71 (23.0) ± 10%
Input Parameters			
Voltage	120 Vac -23%/+29%		
Frequency	50/60 Hz +/-10% (auto sensing)		
Input Power Cord	5 ft. with NEMA 5-15P		
Output AC Parameters			
Voltage (Battery Mode)	120V±10%		
Frequency (On Battery)	50/60 Hz		
Auto Voltage Regulation (AVR function under Normal Mode)	V_{out} = Input 102VAC x 118% at Boost mode V_{out} = Input 138VAC x 85% at Buck mode		
Overload Protection	Line Mode: 1. 110%±5% load for 5 minutes. After 5 minutes at 110%±5%, power will not be provided to the load. Then, every 10 minutes, auto recovery will be attempted. 2. 120%±5% load for 10 seconds. After 10 seconds at 120%±5%, power will not be provided to the load. Then, every 10 minutes, auto recovery will be attempted. 3. 130%±5% load for 1.5 seconds. After 1.5 seconds at 130%±5%, power will not be provided to the load. Then, every 10 minutes, auto recovery will be attempted.		
Short Circuit	1. The output current continues over 125% within 60ms to OSCP* and then goes to Battery Mode. 2. UPS goes to retry mode every 10 seconds until 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 into 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°C to +40°C		
Storage Temperature	-15°C to +50°C		
Relative Humidity	0% to 90% relative humidity, non-condensing		
Audible Noise	Models SSW700 and SSW1000: ≤40dBA without audible alarm beyond 1m at rated load Model SSW1500: ≤45dBA without audible alarm beyond 1m at rated load		
Standards			
Certifications	cULus Listed, UPS Equipment UL 1778, CSA C22.2 No. 107.3		
EMC	FCC Part 15, Subpart B, Class A; EN62040-2; EN55032; CISPR22		
Surge Protection	Meets IEEE C62.41, Category A & B L-L:1kV; L-E: 2kV		

* Note: 1200W at 0.75 power factor equals 1600 VA. Line cord limits total load to 1440 VA (max.).

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