



SLN MINI-TOWER OFF-LINE UPS

The SolaHD SLN 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 SLN 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

-  us 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
600/360	SLN600	120 Vac, 60 Hz	3.5	5-15P / Three 5-15R
1000/600	SLN1000		3	
1500/900	SLN1500		3	5-15P / Five 5-15R

SLN ACCESSORIES

Catalog Number	Description	Approx. Ship Weight lbs (kg)
SLNSPSPMBRK	Wall/panel mount bracket kit for SLN (600 VA ~ 850 VA) UPS	1.0 (0.45)
SLNSPSPMBRK1	Wall/panel mount bracket kit for SLN (1000 VA ~ 1500 VA) UPS	1.0 (0.45)

SOLAHD

For product information:
www.solahd.com
 1.800.377.4384



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SPECIFICATIONS

Catalog Number	SLN600	SLN1000	SLN1500
Topology	Line Interactive	Line Interactive	Line Interactive
Capacity (VA/W)	600/360	1000/600	1500/900
Dimensions			
Unit (H x W x D) - in. (mm)	5.6x4.1x11.82 (142x104x300.2)	7.09x5.12x12.6 (180x130x320)	
Ship Weight - lbs (kg)	12.13 (5.5) ± 10%	19.62 (8.9) ± 10%	25.35 (11.5) ± 10%
Input Parameters			
Voltage	120 Vac -23% / +29%		
Frequency	60 Hz +/- 10%		
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)	$V_{out} = \text{Input } 102 \text{ Vac} \times 118\%$ at Boost mode $V_{out} = \text{Input } 138 \text{ Vac} \times 85\%$ at Buck mode		
Overload Protection	Line Mode: 1. 110%±5% load for 5 mins. After, the power will not be provided to the load. Then, every 10 mins, auto recovery will be attempted. 2. 120%±5% load for 10 seconds. After, the power will not be provided to the load. Then, every 10 mins, auto recovery will be attempted. 3. 130%±5% load for 1.5 seconds. After, the power will not be provided to the load. Then, every 10 mins, auto recovery will be attempted.		
Short Circuit *OSCP is Output Short Circuit Protection	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 the Battery Voltage (V_b) <11V/cell. 3. The Battery recharges when the $V_b > 12.7\text{V/cell}$, 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 & B Delta: (Line to line: 1kV; line to earth: 2kV)	Meets IEEE C62.41, Category A & B L-L: 1kV; IL-E: 2kV	
Certifications	cULus Listed, UPS Equipment UL 1778, CAS C22.2 No. 107.3		



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