S1K Mini-Tower Off-line UPS

The SolaHD S1K Series provides economical protection from damaging impulses and power interruptions. These units include two types of outlets; three for critical devices needing battery back-up and surge protection such as the CPU and one surge protected only outlet for non-critical devices like printers and fax machines. The S1K is ideal for point of sale and office applications.



E179213

Applications

- PCs
- Workstations
- Computer Terminals

Features

- Lightweight, compact design
- 4 NEMA 5-15R outlets, (3 Battery, 1 Surge)
- Data-line surge protection for phone or network included on every unit
- DB9 communications Interface
- Software and cable included
- Step sinewave output
- Two year limited warranty

Certifications and Compliances

- c UL 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	Approx. Ship Weight lbs (kg)
320/240	**S1K320**	115 Vac, 50 or 60 Hz	10	5-15P / 5-15R (3) Battery (1) Surge	8.8 (4.00)
520/340	**S1K520**		15		11.6 (5.30)
650/390	**S1K650**		15		8.1 (3.70)
850/600	**S1K850**		25		10.8 (4.90)
1200/720	**S1K1200**		30		10.8 (4.90)
1500/900	**S1K1500**		70	5-15P / 5-15R (4) Battery	30.0 (13.60)

* For a typical PC with a 15" monitor.

Note: Run times in this table are approximate. They are based upon new, fully charged standard battery modules 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 individual batteries

S1K Accessories

Catalog Number	Description	Approx. Ship Weight lbs (kg)
S1K–PMBRK **	Wall/panel mount bracket kit for S1K (320 VA~1200 VA) UPS	1.0 (0.45)
UPSMON–USB	RS232 to USB Adapter Cable	1.0 (0.45)

** Not applicable to S1K1500 and S1K650

© December 2018

Specifications

Catalog Number	S1K320	S1K520	S1K650	S1K850	S1K1200	S1K1500
Capacity (VA/Watts)	320/240	520/340	650/390	850/600	1200/720	1440/900
Dimensions – inches (mm)						
Unit (H x W x D) – in. (mm)	5.30 x 3.80 x 12.6 (135.0 x 97.0 x 320.0)	5.30 x 3.80 x 12.60 (135.0 x 97.0 x 320.0)	5.30 x 3.80 x 10.40 (135.0 x 97.0 x 264.0)	5.30 x 3.80 x 12.60 (135.0 x 97.0 x 320.0)		7.50 x 5.11 x 15.00 (191.0 x 130.0 x 381.0)
Weight – lbs (kg)	8.8 (4.00)	11.6 (5.30)	8.1 (3.70)	10.8 (4.90)		30.0 (13.60)
Input Parameters						
Voltage	115 V + 20% / -25%		115 V +/-15%			115 V +/-25%
Frequency	50 or 60 Hz ± 10% (auto sensing)					
Input Power Cord	6 ft. with NEMA 5-15P					
Output AC Parameters						
Voltage (Battery Mode)	Step sinewave at 115 V					
	±10%		±5%			
Frequency (On Battery)	50 or 60 Hz					
	±1 Hz		±0.3 Hz			±1 Hz
Auto Voltage Regulation (AVR function under Normal Mode)	AVR automatically increases output voltage 15% above input voltage if 91% to 75% of nominal. AVR decrease output voltage 13% below input voltage if 109% to 125% of nominal		N/A			AVR (See first column for definition)
Overload Protection	UPS automatic shutdown if overload exceeds 105% of nominal at 20 seconds, 120% at 10 seconds, 130% at 3 seconds					UPS automatic shutdown if overload exceeds 110% of nominal at 60 seconds, 130% at 3 seconds
Short Circuit	UPS output cut off immediately					
Battery Parameters						
Battery Type	Sealed, maintenance-free lead acid batteries					
Transfer Time	4 milliseconds, Typical					
Back–up Time * (minutes)	10-20	15-25	15-30	25-40	30-45	70-80
Recharge Time	4 hours		6 hours			
Environmental						
Operating Temperature	0°C to 40°C					
Storage Temperature	-15°C to 50°C					
Relative Humidity	0% to 90%, non-condensing					
Ambient Operation	0-95% humidity non-condensing, 0-40°C up to 10,000 ft. (3000m)					
Audible Noise	< 40 dBA (1 meter from surface)					
Standards						
EMC	FCC Part 15, Subpart B, Class A					
Surge Protection	Meets IEEE C62.41, Category A					

* For a typical PC with a 15" monitor.

© December 2018