

## 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.



### 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

- cUL<sup>us</sup> 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	<b>S1K320</b>	115 Vac, 50 or 60 Hz	10	5-15P / 5-15R (3) Battery (1) Surge	8.8 (4.00)
520/340	<b>S1K520</b>		15		11.6 (5.30)
650/390	<b>S1K650</b>		15		8.1 (3.70)
850/600	<b>S1K850</b>		25		10.8 (4.90)
1200/720	<b>S1K1200</b>		30		10.8 (4.90)
1500/900	<b>S1K1500</b>		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)
<b>S1K-PMBRK **</b>	Wall/panel mount bracket kit for S1K (320 VA~1200 VA) UPS	1.0 (0.45)
<b>UPSMON-USB</b>	RS232 to USB Adapter Cable	1.0 (0.45)

\*\* Not applicable to S1K1500 and S1K650

## Specifications

Catalog Number	S1K320	S1K520	S1K650	S1K850	S1K1200	S1K1500
<b>Capacity (VA/Watts)</b>	320/240	520/340	650/390	850/600	1200/720	1440/900
<b>Dimensions – inches (mm)</b>						
<b>Unit (H x W x D) – in. (mm)</b>	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)	
<b>Weight – lbs (kg)</b>	8.8 (4.00)	11.6 (5.30)	8.1 (3.70)	10.8 (4.90)		30.0 (13.60)
<b>Input Parameters</b>						
<b>Voltage</b>	115 V + 20% / -25%		115 V +/-15%		115 V +/-25%	
<b>Frequency</b>	50 or 60 Hz ± 10% (auto sensing)					
<b>Input Power Cord</b>	6 ft. with NEMA 5-15P					
<b>Output AC Parameters</b>						
<b>Voltage (Battery Mode)</b>	Step sinewave at 115 V					
	±10%			±5%		
<b>Frequency (On Battery)</b>	50 or 60 Hz					
	±1 Hz		±0.3 Hz		±1 Hz	
<b>Auto Voltage Regulation (AVR function under Normal Mode)</b>	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)	
<b>Overload Protection</b>	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
<b>Short Circuit</b>	UPS output cut off immediately					
<b>Battery Parameters</b>						
<b>Battery Type</b>	Sealed, maintenance-free lead acid batteries					
<b>Transfer Time</b>	4 milliseconds, Typical					
<b>Back-up Time* (minutes)</b>	10-20	15-25	15-30	25-40	30-45	70-80
<b>Recharge Time</b>	4 hours			6 hours		
<b>Environmental</b>						
<b>Operating Temperature</b>	0°C to 40°C					
<b>Storage Temperature</b>	-15°C to 50°C					
<b>Relative Humidity</b>	0% to 90%, non-condensing					
<b>Ambient Operation</b>	0-95% humidity non-condensing, 0-40°C up to 10,000 ft. (3000m)					
<b>Audible Noise</b>	< 40 dBA (1 meter from surface)					
<b>Standards</b>						
<b>EMC</b>	FCC Part 15, Subpart B, Class A					
<b>Surge Protection</b>	Meets IEEE C62.41, Category A					

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