

## S1K Off-line Uninterruptible Power Systems (UPS)

The 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.



### 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 warranty

### Applications

- PCs
- Workstations
- Computer Terminals

### Related Products

- S2K and S3K Series UPS
- Portable MCR Power Conditioners

### Selection Table

Capacity (VA/W)	Catalog Number	Volts, Frequency In/Out	Typical Runtime (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 (4.0)
520/340	S1K520		15		11.6 (5.3)
650/390	S1K650		15		8.1 (3.7)
850/600	S1K850		25		10.8 (4.9)
1200/720	S1K1200		30		10.8 (4.9)
1500/900	S1K1500		70	5-15P / 5-15R (4) Battery	30 (13.6)

\* For a typical PC with a 15" monitor.

### S1K Accessory

#### Hardware for Wall/Panel Mount (order part number separately)

Catalog Number	Description	Approx. Ship Weight lbs (kg)
S1K-PMBRK*	Wall/panel mount bracket kit for S1K (320VA~1200VA) UPS.	1 (.45)

\* Not applicable to S1K-1500



## S1K 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						
Unit (H x W x D)	5.3 in x 3.8 in x 10.4 in	5.3 in x 3.8 in x 12.6 in	5.3 in x 3.8 in x 10.4 in		5.3 in x 3.8 in x 12.6 in	7.5 in x 5.11 in x 15 in
Weight lbs (kg)	8.8 (4.0)	11.6 (5.3)	8.1 (3.7)		10.8 (4.9)	30 (13.6)
Input Parameters						
Voltage	115V + 20% / -25%		115V +/- 15%		115V +/-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 115V					
	±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 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	
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 Temp.	32°F to 104°F (0°C to 40°C)					
Storage Temp.	5°F to 122°F (-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	< 40dBA (1 meter from surface)					
Standards						
Safety	UL 1778, cUL <sub>US</sub> Listed					
Surge Protection	Meets IEEE C62.41, Category A					

\* For a typical PC with a 15" monitor.