## 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

- 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** | | 10 | | 8.8 (4.00) |
| 520/340 | **S1K520** | | 15 | | 11.6 (5.30) |
| 650/390 | **S1K650** | 115 Vac, 50 or 60 Hz | 15 | 5-15P / 5-15R (3) Battery (1) Surge | 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

## 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.