S1K Mini-Tower Off-line 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.

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
- Listed, UPS Equipment
  - UL 1778, CSA C22.2 No. 107.3

Related Products
- Surge Protective Devices
- Active Tracking® Filters
- Portable MCR Power Conditioners

Selection Table

<table>
<thead>
<tr>
<th>Capacity (VA/W)</th>
<th>Catalog Number</th>
<th>Volts, Frequency In/Out</th>
<th>Typical Back-up Time * (minutes)</th>
<th>Input Plug/Output Receptacle</th>
<th>Approx. Ship Weight lbs (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>320/240</td>
<td>S1K320</td>
<td>115 Vac, 50 or 60 Hz</td>
<td>10</td>
<td>5-15P / 5-15R (3) Battery (1) Surge</td>
<td>8.8 (4.00)</td>
</tr>
<tr>
<td>520/340</td>
<td>S1K520</td>
<td></td>
<td>15</td>
<td>11.6 (5.30)</td>
<td></td>
</tr>
<tr>
<td>650/390</td>
<td>S1K650</td>
<td></td>
<td>15</td>
<td>8.1 (3.70)</td>
<td></td>
</tr>
<tr>
<td>850/600</td>
<td>S1K850</td>
<td></td>
<td>25</td>
<td>10.8 (4.90)</td>
<td></td>
</tr>
<tr>
<td>1200/720</td>
<td>S1K1200</td>
<td></td>
<td>30</td>
<td>10.8 (4.90)</td>
<td></td>
</tr>
<tr>
<td>1500/900</td>
<td>S1K1500</td>
<td></td>
<td>70</td>
<td>30.0 (13.60)</td>
<td></td>
</tr>
</tbody>
</table>

* For a typical PC with a 15” monitor.

S1K Accessories

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Approx. Ship Weight lbs (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1K–PMBRK **</td>
<td>Wall/panel mount bracket kit for S1K (320VA–1200VA) UPS</td>
<td>1.0 (0.45)</td>
</tr>
<tr>
<td>UPSMON–USB</td>
<td>RS232 to USB Adapter Cable</td>
<td>1.0 (0.45)</td>
</tr>
</tbody>
</table>

** Not applicable to S1K1500 and S1K650

Contact Technical Services at (800) 377-4384 with any questions.
## Specifications

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<tr>
<th>Catalog Number</th>
<th>S1K320</th>
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<th>S1K850</th>
<th>S1K1200</th>
<th>S1K1500</th>
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<tr>
<td><strong>Capacity (VA/Watts)</strong></td>
<td>320/240</td>
<td>520/340</td>
<td>650/390</td>
<td>850/600</td>
<td>1200/720</td>
<td>1440/900</td>
</tr>
</tbody>
</table>

### Dimensions – inches (mm)

| Unit (H x W x D) – in. (mm) | 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) | 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**
  - 115V ±20% / -25%
  - 115V ±15%
  - 115V ±25%

- **Frequency**
  - 50 Hz ± 10% (auto sensing)

- **Input Power Cord**
  - 6 ft. with NEMA 5-15P

### Output AC Parameters

- **Voltage** (Battery Mode)
  - Step sinewave at 115V
  - ±10%
  - ±10%

- **Frequency** (On Battery)
  - 50 or 60 Hz
  - ±1 Hz
  - ±0.3 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

- **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**
  - < 40dBA (1 meter from surface)

### Standards

- **EMC**
  - FCC Part 15, Subpart B, Class A

- **Surge Protection**
  - Meets IEEE C62.41, Category A

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