## SLN & SPS Mini-Tower Off-line UPS

The SolaHD SLN & SPS Series provides economical protection from damaging impulses and power interruptions. These units include three outlets for critical devices needing battery back-up and surge protection. The SLN & SPS is ideal for industrial environments as well as point of sale and office applications.


E179213

### Applications

- PCs
- Workstations
- Computer Terminals

### Features

- Lightweight, compact design
- NEMA 5-15R outlets, protected by battery and surges
- USB communications Interface
- Cable included with free software download
- 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 |
|---|---|---|---|---|
| 600/360 | **SLN600** | 120 Vac, 60 Hz | 3.5 | 5-15P / Three 5-15R |
| 850/510 | **SPS850** | | 2.5 | |
| 1000/600 | **SLN1000** | | 3 | |
| 1500/900 | **SLN1500** | | 3 | 5-15P / Five 5-15R |

### SLN & SPS Accessories

| Catalog Number | Description | Approx. Ship Weight lbs (kg) |
|---|---|---|
| **SLNSPSPMBRK** | Wall/panel mount bracket kit for SLN & SPS (600 VA~850 VA) UPS | 1.0 (0.45) |
| **SLNSPSPMBRK1** | Wall/panel mount bracket kit for SLN (1000 VA~1500 VA) UPS | 1.0 (0.45) |

## SLN & SPS Specifications

| Catalog Number | SLN600 | SPS850 | SLN1000 | SLN1500 |
|---|---|---|---|---|
| **Topology** | Line Interactive | Offline | Line Interactive | Line Interactive |
| **Capacity (VA/W)** | 600/360 | 850/510 | 1000/600 | 1500/900 |
| **Dimensions** | | | | |
| **Unit (H x W x D) – in. (mm)** | 5.6x4.1x11.82 (142x104x300.2) | 5.6x4.1x11.82 (142x104x300.2) | 7.09x5.12x12.6 (180x130x320) | 7.09x5.12x12.6 (180x130x320) |
| **Ship Weight – lbs (kg)** | 12.13 (5.5) ± 10% | 8.16 (3.7) ± 10% | 19.62 (8.9) ± 10% | 25.35 (11.5) ± 10% |
| **Input Parameters** | | | | |
| **Voltage** | 120 Vac -23% / +29% | 120 Vac -25% / +20% | 120 Vac -23% / +29% | |
| **Frequency** | 60 Hz +/- 10% | | | |
| **Input Power Cord** | 5 ft. with NEMA 5-15P | | | |
| **Output AC Parameters** | | | | |
| **Voltage (Battery Mode)** | 120V±10% | | | |
| **Frequency (On Battery)** | 60 Hz | | | |
| **Auto Voltage Regulation (AVR function under Normal Mode)** | $V_{out}$= Input 102 Vac x 118% at Boost mode<br>$V_{out}$= Input 138 Vac x 85% at Buck mode | N/A | $V_{out}$= Input 102 Vac x 118% at Boost mode<br>$V_{out}$= Input 138 Vac x 85% at Buck mode | |
| **Overload Protection** | Line Mode:<br>1. 110%±5% load for 5 mins. After, the power will not be provided to the load. Then, every 10 mins, auto recovery will be attempted.<br>2. 120%±5% load for 10 seconds. After, the power will not be provided to the load. Then, every 10 mins, auto recovery will be attempted.<br>3. 130%±5% load for 1.5 seconds. After, the power will not be provided to the load. Then, every 10 mins, auto recovery will be attempted. | Breaker Protection | Line Mode:<br>1. 110%±5% load for 5 mins. After, the power will not be provided to the load. Then, every 10 mins, auto recovery will be attempted.<br>2. 120%±5% load for 10 seconds. After, the power will not be provided to the load. Then, every 10 mins, auto recovery will be attempted.<br>3. 130%±5% load for 1.5 seconds. After, the power will not be provided to the load. Then, every 10 mins, auto recovery will be attempted. | |
| **Short Circuit**<br>***OSCP is Output Short Circuit Protection** | 1. The Output current continues over 125% within 60ms to OSCP* and then goes to Battery MODE.<br>2. UPS goes to retry mode every 10 seconds until the Battery Voltage ($V_B$) <11V/cell.<br>3. The Battery recharges when the $V_B$>12.7V/cell, then UPS continues retry mode every 10 seconds.<br>4. UPS goes to auto recovery mode until the short circuit disappears then goes back to LINE Mode. | 1. The Output current continues over 250% within 60ms to OSCP* and then goes to Battery MODE.<br>2. UPS goes to retry mode every 10 seconds until the Battery Voltage ($V_B$) <11V/cell.<br>3. The Battery recharges when the $V_B$>12.7V/cell, then UPS continues retry mode every 10 seconds.<br>4. UPS goes to auto recovery mode until the short circuit disappears then goes back to LINE Mode. | 1. The Output current continues over 125% within 60ms to OSCP* and then goes to Battery MODE.<br>2. UPS goes to retry mode every 10 seconds until the Battery Voltage ($V_B$) <11V/cell.<br>3. The Battery recharges when the $V_B$>12.7V/cell, then UPS continues retry mode every 10 seconds.<br>4. UPS goes to auto recovery mode until the short circuit disappears then goes back to LINE Mode. | |

## SLN & SPS Specifications - continued

| Catalog Number | SLN600 | SPS850 | SLN1000 | SLN1500 |
|---|---|---|---|---|
| **Battery Parameters** | | | | |
| **Battery Type** | VRLA, maintenance free, sealed, lead-acid cells | | | |
| **Transfer Time** | Typical: 8ms, max. <10ms@AC mode to backup mode | | | |
| **Typical Recharge Time** | 8 hours | | | |
| **Environmental** | | | | |
| **Operating Temperature** | 0 to +40°C | | | |
| **Storage Temperature** | -15 to +45°C | | | |
| **Relative Humidity** | 0% to 90% relative humidity, non-condensing | | | |
| **Audible Noise** | ≤40 dBA without audible alarm beyond 1m at rated load | | | |
| **Standards** | | | | |
| **EMC** | FCC Part 15, Subpart B, Class A; EN62040-2; EN55032; CISPR22 | | | |
| **Surge Protection** | Meets IEEE C62.41, Category A & B Delta: (Line to line: 1kV; line to earth: 2kV) | Meets IEEE C62.41, Category A | Meets IEEE C62.41, Category A & B L-L: 1kV; IL-E: 2kV | |
| **Certifications** | cULus Listed, UPS Equipment UL 1778, CAS C22.2 No. 107.3 | | | |