# SmartPro 120V 1.5kVA 900W Line-Interactive Sine Wave UPS, Tower, Network Card Options, USB, DB9, 8 Outlets

MODEL NUMBER: **SMART1500SLT**









Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Ideal solution for VoIP systems, point-of-sale applications and network closets.

## Highlights

- Corrects under- and overvoltages from 95V to 145V
- 8 NEMA 5-15R outlets
- Front-panel LEDs indicate load, power and battery statuses
- Monitoring of power conditions via PowerAlert®
- 20 min. runtime at half load; 8 min. at full load
- Designed for commercial applications; see product description for home-use recommendations

## Package Includes

- SMART1500SLT SmartPro 120V 1.5kVA 900W Line-Interactive Sine Wave UPS
- USB cable
- DB9 cable
- Owner's manual

## Description

The SMART1500SLT SmartPro® 120V 1.5kVA 900W Line-Interactive Sine Wave UPS provides battery backup and AC power protection against blackouts, brownouts, power surges and line noise that can damage electronics or destroy data. Ideal for backing up VoIP systems, point-of-sale applications and network closets, the SMART1500SLT switches to battery mode in milliseconds to keep your connected equipment running long enough to save files and shut down safely with no data loss.
Featuring eight NEMA 5-15R outlets and a six-foot power cord with NEMA 5-15P input, the SMART1500SLT has an internal battery that provides 20 minutes of support at half load and eight minutes at full load. Front-panel LEDs indicate line power, battery power, overload, voltage regulation and battery status. An alarm sounds to indicate power failure and overload conditions.
Automatic voltage regulation (AVR) maintains selectable 100V, 110V or 120V nominal output over an input range of 95V to 145V without using battery power. EMI/RFI noise filtering improves your equipment's performance and prevents damage. A 690-joule surge suppression rating protects your equipment from harmful power surges. With PowerAlert® software (available via free download), SMART1500SLT enables safe unattended system shutdown in case of a prolonged power failure.
This product is designed with features typically required in commercial applications, including network connectivity and a ruggedized case. For home use, consider SMART1500 or SMART1500LCDT.

## Features

**Protects Mission-Critical Equipment**

- Provides fully regulated AC output for VoIP systems, point-of-sale applications and network closets
- Audible alarm signals loss of utility power or overload
- 8 NEMA 5-15R outlets
- 6 ft. power cord with NEMA 5-15P input
- 690-joule surge suppression rating

**Reliable Battery Backup**

- Supports half load up to 20 min. and full load up to 8 min.
- Internal batteries designed for hot-swap field replacement
- 95% line-power efficiency rating saves money in energy costs

- Cold-start capability enables turn-on in battery mode during blackouts

**Automatic Voltage Regulation (AVR)**
- Maintains selected 100V, 110V or 120V nominal output over input range of 95V–145V without using battery power

**EMI/RFI Line Noise Filtering**
- Removes electromagnetic and radio frequency interference that can disrupt or damage equipment's performance

**LED Indicators**
- Front-panel LEDs signal indicate line power, battery power, overload, voltage regulation and battery status

**Network Management Cards**
- Compatible with UPS management card options WEBCARDLX, SNMPWEBCARD and RELAYIOCARD

**Communications Ports**
- USB & Serial ports enable data-saving unattended shutdown when used with PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert

**RJ45 Telephone/Ethernet Protection Jacks**
- Protect phone/DSL/fax/modem/Ethernet network against power surges

This product is designed with features typically required in commercial applications, including network connectivity and a ruggedized case. For home use, consider SMART1500 or SMART1500LCDT. Click to compare product features.

# Specifications

| | |
|---|---|
| **OVERVIEW** | |
| UPC Code | 037332119896 |
| UPS Type | Line-Interactive |
| **INPUT** | |
| Input Phase | Single-Phase |
| Rated input current (Maximum Load) | 10.1A (100V), 9.3A (110V), 8.6A (120V) |
| Nominal Input Voltage(s) Supported | 100V AC; 110V AC; 120V AC |
| UPS Input Connection Type | 5-15P |
| Input Circuit Breakers | 15A |
| UPS Input Cord Length (ft.) | 6 |
| UPS Input Cord Length (m) | 1.8 |
| Recommended Electrical Service | 15A 120V |
| Maximum Input Amps | 10 |
| Total Harmonic Distortion | 0.03 |
| **OUTPUT** | |
| Output Capacity (VA) | 1500 |

| | |
|---|---|
| Output Capacity (kVA) | 1.5 |
| Output Capacity (Watts) | 900 |
| Output Capacity (kW) | 0.9 |
| Output Capacity Details | 7.5A @ 120V (default), 8.2A @ 110V, 9A @ 100V. 125% @ 10 minutes 110% +/- 10% @ 5 seconds |
| Power Factor | 0.63 |
| Nominal Voltage Details | 120V sinusoidal in line mode and 120V sinusoidal in battery mode |
| Frequency Compatibility | 50 / 60 Hz |
| Frequency Compatibility Details | Automatic frequency selection. Output is regulated to +/-0.05Hz when input frequency exceeds +/-5Hz of nominal. |
| Output Voltage Regulation (Line Mode) | -13%, + 15% |
| Output Voltage Regulation (Battery Mode) | +/- 5% |
| Output AC Waveform (AC Mode) | Sine wave |
| Output AC Waveform (Battery Mode) | Pure Sine wave |
| Nominal Output Voltage(s) Supported | 100V; 110V; 120V |
| Output Receptacles | (8) 5-15R |
| Individually Controllable Load Banks | No |
| **BATTERY** | |
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Runtime Full Load (min.) | 8 min. (900W) |
| Runtime Half Load (min.) | 20 min. (450W) |
| Expandable Runtime | No |
| DC System Voltage (VDC) | 36 |
| Battery Recharge Rate (Included Batteries) | Less than 6 hours from 10% to 80% (typical, full load discharge) |
| Battery Access | Battery access door |
| Internal UPS Replacement Battery Cartridge |  <a class="productLink" href="//tripplite.eaton.com/UPS-Replacement-36VDC-Battery-Cartridge-for-select-Tripp-Lite-SLT-UPS~RBC36-SLT">RBC36-SLT</a>  |
| Battery Replacement Description | Hot-swappable, user replaceable batteries |
| **VOLTAGE REGULATION** | |
| Voltage Regulation Description | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 95 to 145 (120v), 87 to 133 (110v), 83 to 121 (100v) |
| Overvoltage Correction | Voltage reduction of 12% applies when input is 127 to 145 (120v), 116 to 133 (110v), 111 to 121 (100v); All voltage setpoints ±5% tolerance |
| Undervoltage Correction | Voltage boost of 14% applies when input is 95 to 108 (120v), 87 to 99 (110v), 83 to 90 (100v); All voltage setpoints ±5% tolerance |
| **USER INTERFACE, ALERTS & CONTROLS** | |

| | |
|---|---|
| Switches | 2 Switches control off/on power status and alarm-cancel/self-test operation; rear panel protected switches support nominal voltage selection |
| Alarm Cancel Operation | Power-fail alarm can be silenced using alarm-cancel switch |
| Audible Alarm | Audible alarm indicates power failure and overload conditions |
| LED Indicators | Status LEDs indicate line power, battery power, AVR, overload and replace battery status - with a 3-LED level meter for load and battery charge level |
| Site Wiring Fault Indication | Rear panel site wiring fault LED |
| **SURGE / NOISE SUPPRESSION** | |
| UPS Dataline Suppression | 1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet |
| EMI / RFI AC Noise Suppression | Yes |
| AC Suppression Joule Rating | 690 |
| AC Suppression Response Time | Instantaneous |
| **PHYSICAL** | |
| Primary Form Factor | Tower |
| Cooling Method | Fan |
| Installation Form Factors Supported with Included Accessories | Tower |
| Primary UPS Depth (mm) | 335 |
| Primary UPS Height (mm) | 259 |
| Primary UPS Width (mm) | 173 |
| Shipping Dimensions (hwd / in.) | 13.90 x 9.70 x 17.60 |
| Shipping Dimensions (hwd / cm) | 35.31 x 24.64 x 44.70 |
| Shipping Weight (lbs.) | 46.30 |
| Shipping Weight (kg) | 21.00 |
| UPS Housing Material | Steel |
| UPS Power Module Dimensions (hwd, cm) | 25.91 x 17.27 x 33.53 |
| UPS Power Module Dimensions (hwd, in.) | 10.2 x 6.8 x 13.2 |
| UPS Power Module Weight (kg) | 20.41 |
| UPS Power Module Weight (lbs.) | 45 |
| Unit Dimensions (hwd / in.) | 10.250 x 6.750 x 13.250 |
| Unit Weight (lbs.) | 45.0000 |
| Unit Weight (kg) | 20.41 |
| **ENVIRONMENTAL** | |
| Operating Temperature Range | 32° to 104°F (0° to 40°C) |
| Storage Temperature Range | 5° to 122°F (-15° to 50°C) |

| | |
|---|---|
| Relative Humidity | 0-95% non-condensing |
| AC Mode BTU / Hr. (Full Load) | 148 |
| AC Mode Efficiency Rating (100% Load) | 95% |
| Battery Mode Heat Dissipation (BTU/Hr) @ Full Load | 500 |
| Operating Elevation | 0-6562 ft. (0-2000 m) |
| Audible Noise | Audible Noise < 50 dBA at Front Side 1 Meter |
| **COMMUNICATIONS** | |
| Network Management Cards |  <a class="productLink" href="//tripplite.eaton.com/Network-Card-Eaton-Tripp-Lite-Series-UPS-Systems~WEBCARDLXE">WEBCARDLXE</a> ; RELAYIOCARD |
| Network Monitoring Port Description | Supports detailed monitoring of UPS and site power conditions |
| PowerAlert Software | For local monitoring via the UPS's built-in communication ports, download PowerAlert software at https://tripplite.eaton.com/products/power-alert |
| Communications Cable | USB and DB9 cabling included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| Network Management Card Description | Network management card optional |
| Communications Interface | DB9 Serial; Slot for SNMP/Web interface; USB (HID enabled) |
| **LINE / BATTERY TRANSFER** | |
| Transfer Time | 4-6 milliseconds |
| Low Voltage Transfer to Battery Power (Setpoint) | 95V (120V), 87V (110V), 83V (100V); All voltage setpoints ±5% tolerance |
| High Voltage Transfer to Battery Power (Setpoint) | 145V (120V), 133V (110V), 121V (100V); All voltage setpoints ±5% tolerance |
| **FEATURES & SPECIFICATIONS** | |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| High Availability UPS Features | Auto Probe Monitoring (requires WEBCARDLXE); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection |
| Green Energy-Saving Features | Greater than 95% efficiency - GREEN UPS |
| **APPLICATIONS** | |
| UPS Applications | Large Network; High-End Desktop/Small Network; Retail/Point of Sale; Hospitality |
| **STANDARDS & COMPLIANCE** | |
| Product Certifications | CSA (Canada); NOM (Mexico); UL 1778 |
| Product Compliance | RoHS; FCC Part 15 Class A (USA) |
| **WARRANTY & SUPPORT** | |

| | |
|---|---|
| Product Warranty Period (Worldwide) | 2-year warranty, 3 year with registration. Note: <a class="insuranceLink" href="//tripplite.eaton.com/support/product-warranty-registration">Registration is required</a> for 3-year warranty. |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | $250,000 <a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>  |

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

© 2025 Eaton. All Rights Reserved.
Eaton is a registered trademark. All other trademarks
are the property of their respective owners.