

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

MODEL NUMBER: **SMC1500T**



### Highlights

- Corrects under- and overvoltages from 95V to 145V (120V)
- 8 NEMA 5-15R outlets
- Monitoring of power conditions via PowerAlert software
- Front-panel LEDs indicate load, power, voltage and battery statuses
- 17.4 min. runtime at half load; 6.4 min. at full load

### Package Includes

- SMC1500T SmartPro 120V 1.5kVA 900W Line-Interactive Sine Wave UPS
- USB cable
- Owner's manual

### Description

The SMC1500T 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 high-performance workstations, servers and network equipment, the SMC1500T 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. Pure sine wave output is compatible with active power factor correction (PFC) power supplies.

Featuring eight NEMA 5-15R outlets and a six-foot power cord with NEMA 5-15P input, the SMC1500T has an internal battery that provides 17.4 minutes of support at half load and 6.4 minutes at full load. Front-panel LEDs indicate load level, power, voltage correction, site wiring fault and battery statuses.

Automatic voltage regulation (AVR) maintains selectable 100V, 110V or 120V nominal output over an input range of 83V–121V (100V), 87V–133V (110V) or 95V–145V (120V) without using battery power. EMI/RFI noise filtering improves your equipment's performance and prevents damage. A 570-joule surge suppression rating protects your equipment from harmful power surges. With Tripp Lite's free downloadable PowerAlert software, the SMC1500T enables safe unattended system shutdown and file saves in case of a prolonged power failure.

### Features

#### Protects Mission-Critical Electronic Equipment

- Provides fully regulated pure sine wave AC output compatible with active PFC power supplies
- Audible alarm signals loss of utility power, overload and low battery
- 8 NEMA 5-15R outlets
- 6 ft. power cord with NEMA 5-15P input
- 570-joule surge suppression rating

#### Reliable Battery Backup

- Supports half load up to 17.4 min. and full load up to 6.4 min.
- Internal batteries designed for hot-swap field replacement
- 95% line-power efficiency rating saves money in energy costs



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

#### Automatic Voltage Regulation (AVR)

- Maintains selectable nominal output without using battery power
- Corrects brownouts and overvoltages from 83V–121V (100V), 87V–133V (110V) or 95V–145V (120V)

#### EMI/RFI Line Noise Filtering

- Removes electromagnetic and radio frequency interference that can disrupt or damage equipment's performance

#### LED Indicators

- Front-panel LEDs indicate load level, power, voltage correction, site wiring fault and battery statuses

#### Communications Ports

- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from [www.tripplite.com/poweralert](http://www.tripplite.com/poweralert)

#### RJ45 Telephone/Ethernet Protection Jacks

- Protect phone/DSL/fax/modem/Ethernet network against power surges

## Specifications

| OUTPUT                                   |                                                          |
|------------------------------------------|----------------------------------------------------------|
| Output Volt Amp Capacity (VA)            | 1500                                                     |
| Output kVA Capacity (kVA)                | 1.5                                                      |
| Output Watt Capacity (Watts)             | 900                                                      |
| Nominal Output Voltage(s) Supported      | 100V; 110V; 120V                                         |
| Nominal Voltage Details                  | 120V default (voltage selection via back panel switches) |
| Frequency Compatibility                  | 50 / 60 Hz                                               |
| Frequency Compatibility Details          | Automatic frequency selection                            |
| Output Voltage Regulation (Line Mode)    | -13%, + 15%                                              |
| Output Voltage Regulation (Battery Mode) | +/- 5%                                                   |
| Output Receptacles                       | (8) 5-15R                                                |
| Output AC Waveform (AC Mode)             | Sine wave                                                |
| Output AC Waveform (Battery Mode)        | Pure Sine wave                                           |
| INPUT                                    |                                                          |
| Rated input current (Maximum Load)       | 10.1A (120V), 9.3A (110V), 8.6A (100V)                   |
| Nominal Input Voltage(s) Supported       | 100V AC; 110V AC; 120V AC                                |



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
www.tripplite.com

|                                              |                                                                                                                                                       |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| UPS Input Connection Type                    | 5-15P                                                                                                                                                 |
| UPS Input Cord Length (ft.)                  | 6                                                                                                                                                     |
| UPS Input Cord Length (m)                    | 1.8                                                                                                                                                   |
| Recommended Electrical Service               | 15A 120V                                                                                                                                              |
| Input Phase                                  | Single-Phase                                                                                                                                          |
| <b>BATTERY</b>                               |                                                                                                                                                       |
| Full Load Runtime (min.)                     | 6.4 min. (900w)                                                                                                                                       |
| Half Load Runtime (min.)                     | 17.4 min. (450w)                                                                                                                                      |
| DC System Voltage (VDC)                      | 36                                                                                                                                                    |
| Battery Recharge Rate (Included Batteries)   | Less than 4.5 hours from 10% to 90% (typical, full load discharge)                                                                                    |
| Internal UPS Replacement Battery Cartridge   | <a href="#">RBC36-SLT</a>                                                                                                                             |
| Battery Access                               | Battery access door                                                                                                                                   |
| Battery Replacement Description              | Hot-swappable, user replaceable batteries                                                                                                             |
| Expandable Runtime                           | No                                                                                                                                                    |
| <b>VOLTAGE REGULATION</b>                    |                                                                                                                                                       |
| 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)                                                |
| Undervoltage Correction                      | Voltage boost of 14% applies when input is 95 to 108 (120v), 87 to 99 (110v), 83 to 90 (100v)                                                         |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |                                                                                                                                                       |
| 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                                                                                                                      |
| <b>SURGE / NOISE SUPPRESSION</b>             |                                                                                                                                                       |
| UPS AC Suppression Joule Rating              | 570                                                                                                                                                   |
| UPS AC Suppression Response Time             | Instantaneous                                                                                                                                         |
| UPS Dataline Suppression                     | 1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet                                                                                                  |
| EMI / RFI AC Noise Suppression               | Yes                                                                                                                                                   |



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

| PHYSICAL                               |                                                                                                                                                                                              |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Primary Form Factor                    | Tower                                                                                                                                                                                        |
| UPS Power Module Dimensions (hwd, in.) | 10.2 x 6.8 x 13.2                                                                                                                                                                            |
| UPS Power Module Dimensions (hwd, cm)  | 25.91 x 17.27 x 33.53                                                                                                                                                                        |
| UPS Power Module Weight (lbs.)         | 45                                                                                                                                                                                           |
| UPS Power Module Weight (kg)           | 20.41                                                                                                                                                                                        |
| UPS Shipping Dimensions (hwd / in.)    | 14 x 9.8 x 18.5                                                                                                                                                                              |
| UPS Shipping Dimensions (hwd / cm)     | 35.56 x 24.89 x 46.99                                                                                                                                                                        |
| Shipping Weight (lbs.)                 | 49.2                                                                                                                                                                                         |
| Shipping Weight (kg)                   | 22.3                                                                                                                                                                                         |
| Cooling Method                         | Fan                                                                                                                                                                                          |
| UPS Housing Material                   | Steel                                                                                                                                                                                        |
| Primary UPS Height (mm)                | 259                                                                                                                                                                                          |
| Primary UPS Width (mm)                 | 173                                                                                                                                                                                          |
| Primary UPS Depth (mm)                 | 335                                                                                                                                                                                          |
| Shipping Height (mm)                   | 356                                                                                                                                                                                          |
| Shipping Width (mm)                    | 249                                                                                                                                                                                          |
| Shipping Depth (mm)                    | 470                                                                                                                                                                                          |
| ENVIRONMENTAL                          |                                                                                                                                                                                              |
| Operating Temperature Range            | +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius.                                                                                                                                   |
| Storage Temperature Range              | +5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius.                                                                                                                                  |
| Relative Humidity                      | 5 to 95%, non-condensing                                                                                                                                                                     |
| AC Mode BTU / Hr. (Full Load)          | 148                                                                                                                                                                                          |
| Battery Mode BTU / Hr. (Full Load)     | 500                                                                                                                                                                                          |
| AC Mode Efficiency Rating (100% Load)  | 95%                                                                                                                                                                                          |
| COMMUNICATIONS                         |                                                                                                                                                                                              |
| Communications Interface               | DB9 Serial; USB (HID enabled)                                                                                                                                                                |
| 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 Local software at <a href="http://www.tripplite.com/poweralert">http://www.tripplite.com/poweralert</a> |
| Communications Cable                   | USB cabling included                                                                                                                                                                         |



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
[www.tripplite.com](http://www.tripplite.com)

|                                                             |                                                                                                                                                                                                                                           |
|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WatchDog Compatibility                                      | Supports Watchdog application, OS and hard-reboot restart options for remote applications.                                                                                                                                                |
| Network UPS Tools Compatibility                             | NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at <a href="http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp+Lite">http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite</a> |
| <b>LINE / BATTERY TRANSFER</b>                              |                                                                                                                                                                                                                                           |
| Transfer Time                                               | 4 milliseconds                                                                                                                                                                                                                            |
| Low Voltage Transfer to Battery Power (Setpoint)            | 95V (120V), 87V (110V), 83V (100V)                                                                                                                                                                                                        |
| High Voltage Transfer to Battery Power (Setpoint)           | 145V (120V), 133V (110V), 121V (100V)                                                                                                                                                                                                     |
| <b>SPECIAL FEATURES</b>                                     |                                                                                                                                                                                                                                           |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported                                                                                                                                                                                                            |
| High Availability UPS Features                              | Hot swappable batteries                                                                                                                                                                                                                   |
| <b>CERTIFICATIONS</b>                                       |                                                                                                                                                                                                                                           |
| UPS Certifications                                          | Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances); Tested to CSA (Canada); Tested to NOM (Mexico); Tested to UL1778 (USA)                                                                                    |
| <b>WARRANTY</b>                                             |                                                                                                                                                                                                                                           |
| Product Warranty Period (Worldwide)                         | 2-year warranty, 3 year with registration. Note: <a href="#">Registration is required</a> for 3-year warranty.                                                                                                                            |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico)  | \$250,000 <a href="#">Ultimate Lifetime Insurance</a>                                                                                                                                                                                     |

© 2017 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice.

Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies:

<https://www.tripplite.com/products/product-certification-agencies>