

## 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 POWERALERT12
- 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 POWERALERT12, 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



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#### 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 and DB9 ports combine with free downloadable POWERALERT12 software to monitor operating conditions, monitor AC power, and enable safe unattended system shutdown and file saves in case of a prolonged power failure

#### 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



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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



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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)	26 x 17.1 x 33.7
UPS Power Module Weight (lbs.)	45
UPS Power Module Weight (kg)	20.4
UPS Shipping Dimensions (hwd / in.)	14 x 9.8 x 18.5
UPS Shipping Dimensions (hwd / cm)	35.6 x 24.8 x 47
Shipping Weight (lbs.)	49.2
Shipping Weight (kg)	22.3
Cooling Method	Fan
UPS Housing Material	Steel
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)	107
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	Available from <a href="http://www.tripplite.com">www.tripplite.com</a>
Communications Cable	USB cabling included
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>
LINE / BATTERY TRANSFER	
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)



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SPECIAL FEATURES	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries
CERTIFICATIONS	
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)
WARRANTY	
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>

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