

SmartPro Tower UPS System

Intelligent, line-interactive network power management system



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Compatible

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Developed for
the market

Model #: SMART1500SLT

- ▶ 1500VA line-interactive tower UPS system for 120V network applications
- ▶ Sine wave output in AC and battery modes
- ▶ Simultaneous communications via SNMPWEBCARD slot, HID-enabled USB port and DB9 serial port
- ▶ Free PowerAlert UPS monitoring software manages an unlimited number of network UPS systems
- ▶ Input: NEMA 5-15P (120V 15A) / Output: 8 x NEMA 5-15R (120V)
- ▶ 2-year warranty; \$250,000 Ultimate Lifetime Insurance (USA & Canada only)

DESCRIPTION

1500VA line-interactive tower UPS system for server, networking and telecommunications equipment. Upright tower form factor. Offers sine wave 100V, 110V or 120V nominal output in both AC and battery modes. Switches to battery-derived AC output during power failures and extreme voltage variations. Line-interactive automatic voltage regulation (AVR) provides voltage boost/cut during brownouts/overvoltages to maintain regulated 100V, 110V or 120V nominal output over an input voltage range of 95-145V. Includes NEMA 5-15P input plug and 8 UPS-supported NEMA 5-15R output receptacles. Network-grade AC surge and noise suppression. Network management interfaces support simultaneous communications via USB port, DB9 serial port and SNMPWEBCARD slot. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Supports simultaneous detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces. Includes PowerAlert monitoring software and complete cabling. Three-stage metered current monitoring and battery charge status LEDs. Dataline surge suppression for dialup, DSL or network Ethernet connections. Utility power and voltage regulation LEDs. Audible alarm. Self-test. Field-replaceable, hot-swappable internal batteries. Attractive all-black color scheme. 2-year warranty and \$250,000 connected equipment insurance; extended warranty and service contracts available.

KEY BUYING POINTS

- SmartPro line-interactive UPS system is ideal for voice, data, medical and industrial networking applications
- Line-interactive voltage regulation maintains selectable 100V, 110V, or 120V nominal output during brownouts as low as 85V and overvoltages to 145V
- Enables continuous operation through blackouts, voltage fluctuations and surges
- Line-interactive automatic voltage regulation (AVR) provides 14% voltage boost during brownouts and a 12% voltage cut during overvoltages
- Standard internal battery set offers 20 min. runtime at half load (450W) and 8 min. at full load (900W)
- Space-saving upright tower format
- Network interfaces support simultaneous communications via built-in USB port, DB9 serial port and SNMPWEBCARD slot
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X.
- Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus any number of additional servers over IP
- UPS interface supports on-battery, low-battery, power-restored, AC-voltage, DC-voltage, output current monitoring, battery charge current, battery capacity, timed inverter sutoff, activate self-test and output power control
- NEMA 5-15P input plug / 8 x NEMA 5-15R output receptacles
- Front panel LEDs offer current monitoring, voltage regulation and battery charge level information
- UPS ships fully assembled in full compliance with DOT regulations; no time-consuming connection of internal batteries by user required
- Single-line tel/DSL or network Ethernet line surge suppression
- 2-year product warranty; \$250,000 Ultimate Lifetime Insurance

TYPICAL APPLICATIONS

- Ideal for protection of network file servers, internetworking gear, switches, hubs, POS terminals, VoIP telephony and traditional PBX switching systems, back office computer systems, ATM machines, informational/Internet/commerce kiosks, remote unattended servers, web servers, database servers, security systems, card readers, security cameras and other sensitive electronic devices requiring clean, continuously regulated output power.

OPTIONS & ACCESSORIES

- SNMP accessories: [SNMPWEBCARD](#), [ENVIROSENSE](#)
- Watchdog Software: [WATCHDOGSW](#)
- Dataline protectors: [DNET1](#), [DTEL2](#), [DCATV](#)
- Circuit tester: [CT120](#)
- Power distribution: [PDU1215](#)
- USB hubs/accessories: [U202-004-R](#), [U205-004-R](#), [U022-010](#)
- Extended warranties: 3-year [WEXT3-500-1500](#), 5-year [WEXT5-500-1500](#)

PACKAGE INCLUDES

- SMART1500SLT UPS System
- PowerAlert Software CD
- USB and serial cabling
- Owner's manual with warranty information

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW

System overview:	1500 VA line-interactive tower UPS system with USB, DB9, and SNMP accessory slot
Voltage compatibility:	120V factory default (100V, 110V user-selectable)
Frequency compatibility:	50 / 60Hz

OUTPUT

Output volt amp capacity (VA):	1500
Output watt capacity (watts):	900
Output nominal voltage:	120V factory default (110V, 100V user-selectable)
Output voltage regulation:	LINE MODE: Sine wave line voltage 120V (-13%/+15%), BATTERY MODE: Sine wave output 120V (+/-5%)
Output frequency regulation:	LINE MODE: Passes line frequency of +/-10% BATTERY MODE: Inverter output regulated to 60Hz (+/- 1Hz)
Outlet quantity / type:	8 x NEMA 5-15R

INPUT

Maximum input amps:	10.1 (100V), 9.3 (110V), 8.6 (120V)
Input connection type:	NEMA 5-15P
Input cord length:	6 ft./1.8m
Recommended electrical service:	15A 120V

BATTERY

Full load runtime:	8 min.
Half load runtime:	20 min.
DC system voltage:	36V

Typical battery lifespan:	4-6 years typical
Battery recharge rate:	4-8 hours to 90%
Replacement Battery Cartridge:	RBC36-SLT

VOLTAGE REGULATION

Voltage regulation description:	Automatic voltage regulation (AVR) circuits maintain clean, regulated computer-grade 120V, 110V or 100V nominal output, without using battery power, during brownouts to 83V and overvoltages to 145V
Overvoltage correction:	At 120V, input voltages between 127-145V are reduced by 12%; at 110V, input voltages between 116-133V are reduced by 12%; at 100V, input voltages between 106-121V are reduced by 12%
Brownout correction:	At 120V, input voltages between 95-108V are boosted by 14%; at 110V, input voltages between 87-99V are boosted by 14%; at 100V, input voltages between 83-90V are boosted by 14%

LEDS ALARMS & SWITCHES

Front panel LEDs:	Includes 10 front panel LEDs to indicate line/battery power status, over/undervoltage correction, battery charge level, load percentage, overload and replace battery.
Alarms:	Audible alarms indicate BATTERY MODE and OVERLOAD, UPS POWERED ON
Switches:	2 front panel mounted switches. POWER ON switch powers UPS on in AC or battery mode when pressed longer than one second. POWER ON switch also initiates self-test when pressed longer than .5 seconds with the UPS in line power mode. Also serves as an alarm silencer when pressed for longer than .5 seconds in battery mode. POWER OFF switch turns UPS off when pressed and held for longer than 1 second. Back panel also includes voltage selection dip switches for 120V, 110V, and 100V nominal

SURGE / NOISE SUPPRESSION

AC surge suppression:	690 joules
AC suppression response time:	Instantaneous
Dataline suppression:	Includes 8-wire RJ45 style jack; pins 1,2,3 & 6 offer 10baseT Ethernet line surge suppression with 7.5V clamping, pins 4 & 5 offer single-line tel/DSL line suppression starting at 260V
EMI / RFI AC noise suppression:	Yes

PHYSICAL

Shipping weight (lbs):	49.2
Shipping weight (kg):	22.14
Unit weight (lbs):	45
Unit weight (kg):	20.25
Unit Dimensions (HWD/in):	10.25 x 6.75 x 13.25
Unit Dimensions (HWD/cm):	26.04 x 17.15 x 33.7
Shipping Dimensions (HWD/in):	14 x 9.75 x 18.5
Shipping Dimensions (HWD/cm):	35.6 x 24.8 x 47
Material of construction:	Steel
Form factors supported:	Tower
Cooling method:	Fan
Battery Access:	Supports battery access and hot-swap replacement without powering off connected equipment

ENVIRONMENTAL

Operating Temperature:	+32 to +104 degrees Fahrenheit/0 to +40 degrees Celsius
Storage Temperature:	+5 to +122 degrees Fahrenheit/-15 to +50 degrees Celsius
Relative Humidity:	0 to 95%, non-condensing

COMMUNICATIONS

Network monitoring port:	2 built-in monitoring ports: 1 x USB and 1 x DB9. Each supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, temperature and line frequency status messaging. Interface supports timed inverter shutoff after unattended shutdown, activate self-test and output power control for delayed or immediate reboot of connected equipment
Software and cabling included:	PowerAlert UPS monitoring software for all common network and standalone operating systems. Ships with 2 cables: 1 x USB and 1 x DB9
SNMP compatibility:	SNMP adapter accessory #SNMPWEBCARD
WatchDog compatibility:	Compatible with Tripp Lite's WatchDog Software to restore operation to locked equipment through soft reboot of application/OS or hard power off/on reboot of connected equipment; ideal for unattended kiosk applications

LINE / BATTERY TRANSFER

Transfer time from line power to battery mode:	4-6 milliseconds
Low voltage transfer to battery power:	Switches to battery power as line voltage decreases to 95V (120V), 87V (110V) or 83V (100V) volts or less. Resets back to line power mode as line voltage increases to 100V (120V), 92V (110V) or 87V (100V) or higher.
High voltage transfer to battery power:	Switches to battery power as line voltage increases to 145V (120V), 133V (110V) and 121V (100V) volts or higher. Resets back to line power mode as line voltage decreases to 141V (120V), 129V (110V), or 118V (100V) or less.

CERTIFICATIONS

Certifications:	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), RoHS-Compliant, Class A (Emissions), NOM (Mexico), FCC Part 68/Industry Canada (Telecommunications)
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WARRANTY

Optional coverage:	3-year and 5-year extended warranty coverage, plus next-day and on-site warranty coverage available for select opportunities
Product warranty:	2 years
Connected equipment insurance (USA and Canada Only):	\$250,000

SPECIAL FEATURES

Cold Start:	Inverter can be cold started to enable temporary AC output during a power failure by pressing and holding the POWER ON button for longer than 1 second.
Appearance:	Attractive all-black color scheme

*The policy of Tripp Lite is one of continuous improvement.
Specifications are subject to change without notice.
Therefore, your product may vary slightly from what is currently listed.*



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