

Smart Pro Tower UPS System

Intelligent, line interactive network power management system



Cisco
Compatible

Cisco Systems
Technology Developer Partner

Model #: SMART1500

- ▶ 1500VA line interactive tower UPS system
- ▶ Enhanced communications ports (1 USB / 1 DB9), free PowerAlert software and cabling
- ▶ Corrects brownouts and overvoltages from 75 to 147V
- ▶ 6 AC outlets, 1 single-outlet load management bank
- ▶ \$250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

DESCRIPTION

Tripp Lite's SMART 1500 intelligent, line interactive UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 20 minutes half load runtime and 7 minutes at full load during power failures. 1500VA / 980 watt power handling capability supports a variety of networking, telecom and various other application types, including the support of multiple network workstations. Includes a total of 6 outlets, 1 of which can be individually powered on and off via software interface to selectively reboot remote equipment or shed less significant loads to extend battery runtime for more critical equipment. Supports remote monitoring of UPS and site power conditions via built-in USB and DB9 monitoring ports. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Built-in audible alarm and 5 front panel LEDs indicate status of line power, battery power, battery low/replace, voltage regulation and load level. Wall mountable with optional UPSWM wallmount bracket. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges. Attractive, small-footprint tower housing uses less than 66 square inches of floor or desktop space. Two year warranty with \$250,000 connected equipment insurance (USA & Canada Only).

KEY BUYING POINTS

- 1500VA / 980 watt power handling capability supports a variety of networking, telecom and various other application types
- Built-in voltage regulation and battery support, plus complete AC suppression prevents equipment damage, data loss and downtime
- Large internal batteries offer 20 minutes half load runtime and 7 minutes at full load during power failures
- Automatic Voltage Regulation (AVR) circuits with two boost and one voltage reduction level maintains usable 120V nominal output over an input voltage range of 75-147V
- Includes a total of 6 NEMA5-15R outlets, 1 of which can be individually powered on and off via software interface to selectively reboot remote equipment or shed less significant loads to extend battery runtime for more critical equipment
- Includes 1 USB and 1 DB9 monitoring port for remote monitoring of UPS status and site power conditions
- Communications ports enable safe unattended shutdown without data loss during extended power failures
- Communications ports support messaging of UPS and line power status, including on-battery, low-battery, power-restored, AC line voltage, DC battery voltage and battery capacity
- Communications ports support timed inverter shutoff after unattended shutdown, activate self-test and 10 second reboot of connected equipment
- PowerAlert UPS monitoring and unattended shutdown software with complete cabling included
- Supports Tripp Lite's WatchDog software application to restore unresponsive programs by automatically restarting them and rebooting completely locked computers by automatically switching UPS power off and back on again
- Notification of system status via 5 LEDs and multi-function audible alarms
- Wall mountable with UPSWM wallmount bracket
- Attractive small footprint beige tower housing uses less than 66 square inches
- Hot-swappable / user replaceable batteries allow on-site battery replacement
- Cold start capability enables UPS turn-on in battery mode during blackout conditions
- UL (USA), cUL (Canada), NOM (Mexico), Class A (Emissions)
- \$250,000 Ultimate Lifetime Insurance (USA and Canada only)
- 2 year manufacturers product warranty with \$250,000 connected equipment insurance (USA & Canada Only)

TYPICAL APPLICATIONS

- Ideal for the protection of file servers, network accessories and telecommunications equipment. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems. Ideal for sensitive electronic applications in areas where brownouts and overvoltages are common.

OPTIONS & ACCESSORIES

- USB Hubs-accessories: [U202-004-R](#), [U205-004-R](#), [U022-010](#)
- Dataline protectors: [DNET1](#) [DTEL2](#), [DCATV](#)
- Wallmount Bracket: [UPSWM](#)
- Circuit Tester: [CT120](#)
- Power Distribution: [PDU1215](#)
- Extended warranties: 3 Year [WEXT3-500-1500](#), 5 Year [WEXT5-500-1500](#)

PACKAGE INCLUDES

- SMART 1500 UPS System
- USB and DB9 monitoring cables
- PowerAlert unattended shutdown and UPS/Power monitoring software
- Instruction manual with warranty information

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW

System overview: Line interactive tower UPS protects internetworking and telecommunications equipment from blackouts, brownouts, overvoltages, surges and line noise. Maintains AC output during blackouts and continuously corrects brownouts and overvoltages from 75 to 147 volts back to normal 120V levels. Supports enhanced monitoring of UPS and line power conditions via USB and DB9 serial ports, included PowerAlert monitoring software and complete cabling. Includes one individually controllable output load bank. SNMP compatible.

Voltage compatibility: 120V AC

Frequency compatibility: 60 Hz

OUTPUT

Output volt amp capacity (VA): 1500

Output watt capacity (watts): 980

Output nominal voltage: 120V AC

Output voltage regulation: LINE MODE: Sine wave line voltage 120V (-18% / +8%)

Output frequency regulation: LINE MODE: Passes line frequency of 60Hz +/-10%

Outlet quantity / type: 6 NEMA 5-15R

Customized load management receptacles: Individually controllable outlet supports load shedding and remote reboot on demand of locked network devices. Controllable via PowerAlert software to switch off optional loads, like monitors, to increase available runtime for servers and other critical devices.

Overload protection: Circuit breaker

INPUT

Maximum input amps: 12A / 1070 watts

Input connection type: NEMA 5-15P

Input cord length: 6 ft., 14 gauge

Recommended electrical service: 15A 120V

BATTERY

Full load runtime: 7 minutes (1500VA)

Half load runtime: 20 minutes (750VA)

DC system voltage: 36 V DC

Typical battery lifespan: 3-6 years, depending on usage

Battery recharge rate: 2-4 hours to 90%

Replacement Battery Cartridge: RBC53

VOLTAGE REGULATION

Voltage regulation description: Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and overvoltages to 147V

Overvoltage correction: Input voltages between 128 and 147V AC are reduced by 12%

Direct pass through: Input voltages between 108 and 127V AC are passed on to connected equipment unchanged

Brownout correction: Input voltages between 93 and 107V AC are boosted by 14%

Severe brownout correction: Input voltages between 75 and 92V AC are boosted by 30%

LEDS ALARMS & SWITCHES

Front panel LEDs: Includes 5 front panel LEDs to indicate BATTERY CHARGE LEVEL, AC LINE POWER STATUS, VOLTAGE REGULATION STATUS, UPS LOAD LEVEL and BATTERY LOW / REPLACE information

Alarms: Audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)

Switches: Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions

SURGE / NOISE SUPPRESSION

AC surge suppression: 480 joules

AC suppression response time: Instantaneous

EMI / RFI AC noise suppression: Yes

PHYSICAL

Shipping weight (lbs): 42.6

Shipping weight (kg): 19.4

Unit weight (lbs): 38.4

Unit weight (kg): 17.5

Unit Dimensions (HWD/in): 12.75 x 7.5 x 9

Unit Dimensions (HWD/cm): 32.4 x 19.1 x 22.9

Material of construction: PVC

Form factors supported: Tower

Cooling method: Built-in rear exit cooling fan

Battery Access: Battery access door allows hot swap battery replacement without powering connected equipment off

ENVIRONMENTAL

Operating Temperature: +32 to +104 degrees Fahrenheit

Storage Temperature: +5 to +122 degrees Fahrenheit

Relative Humidity: 0 to 95%, non-condensing

COMMUNICATIONS

Network monitoring port:	Includes 2 built-in monitoring ports, 1-USB & 1-DB9. Each supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature, line frequency status messaging. Interface supports timed inverter shutoff after unattended shutdown, activate self-test and 10 second reboot of connected equipment. Supports individual reboot of selected items connected to load management receptacles and load shedding to increase battery runtime for the most critical loads. Compatible with Tripp Lite's PowerAlert and Watchdog service software.
Software and cabling included:	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Ships with 2 cables, 1-USB to USB & 1-DB9 to DB9
WatchDog compatibility:	Yes, compatible with Tripp Lite's Watchdog system service 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:	2-4 milliseconds
Low voltage transfer to battery power:	Switches to battery power as line voltage decreases to 75 volts or less. Resets back to line power mode as line voltage increases to 79V or higher.
High voltage transfer to battery power:	Switches to battery power as line voltage increases to 147 volts or higher. Resets back to line power mode as line voltage decreases to 143V or less.

CERTIFICATIONS

Certifications:	UL1778 (USA), cUL (Canada), Class A (emissions), NOM (Mexico)
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WARRANTY

Optional coverage:	3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information
Product warranty:	2 year product warranty
Connected equipment insurance (USA and Canada Only):	\$250,000 connected equipment insurance (USA / Canada only)

SPECIAL FEATURES

Cold Start:	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance:	Attractive gray tower UPS

*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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