

Smart Pro XL Expandable Tower UPS System

Intelligent, line-interactive network power management system



Cisco
Compatible

Cisco Systems Technology
Developer Partner

Model #: SMART1500XL

- ▶ 1500VA line interactive tower UPS system for 120V network applications
- ▶ Enhanced communication 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
- ▶ Expandable runtime with optional BP36V27 battery pack
- ▶ \$250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

DESCRIPTION

Tripp Lite's SMART 1500XL 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. Runtime is expandable with the addition of BP36V27 external battery packs. 1500VA / 980 watt power handling capability supports a variety of networking, telecom and various other application types. 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 to 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. Notification of system status via 5 LEDs and multi-function audible alarms. Wall mountable with 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. \$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
- Large internal batteries offer 20 minutes half load runtime and 7 minutes at full load during power failures
- Runtime is expandable with the addition of BP36V27 external battery packs
- 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
- PowerAlert UPS monitoring and unattended shutdown software with complete cabling included
- Notification of system status via 5 LEDs and multi-function audible alarms
- Wall mountable with UPSWM wallmount bracket
- Attractive small footprint black tower housing uses less than 66 square inches
- Built-in rear-exit cooling fan runs as needed to maintain optimal internal temperatures during extended run battery operation
- Hot-swappable / user replaceable batteries allow on-site battery replacement
- UPS battery set ships fully assembled and ready for installation, no time consuming connection of internal batteries by user is necessary
- Cold start capability enables UPS turn-on in battery mode during blackout conditions
- UL (USA), cUL (Canada), NOM (Mexico), FCC Class A (Business) Listed
- \$250,000 Ultimate Lifetime Insurance (USA & Canada Only). No warranty cards required for coverage!
- 2 year manufacturer's product warranty

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.

OPTIONS & ACCESSORIES

- External battery pack: [BP36V27](#)
- 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 1500XL 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. Runtime is expandable with optional BP36V27 external battery packs.

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%), BATTERY MODE: PWM sine wave output 115V +/-5%

Output frequency regulation:

LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz

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 automatically switch off optional loads, like monitors, to increase available runtime for servers and other critical devices.

Overload protection:

Resettable circuit breaker

INPUT

Maximum input amps:

12A / 1150 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), 53 minutes with 1 BP36V27
Half load runtime:	20 minutes (750VA), 117 minutes with 1 BP36V27
Expandable battery runtime:	Supports extended runtime with optional BP36V27 external battery pack (multi-pack compatible)
DC system voltage:	36 VDC
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 147VAC are reduced by 12%
Direct pass through:	Input voltages between 108 and 127VAC are passed on to connected equipment unchanged
Brownout correction:	Input voltages between 93 and 107VAC are boosted by 14%
Severe brownout correction:	Input voltages between 75 and 92VAC 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:	3 function 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. Also includes rear panel CHARGE LEVEL switch.

SURGE / NOISE SUPPRESSION

AC surge suppression:	480 joules
AC suppression response time:	Instantaneous
EMI / RFI AC noise suppression:	Yes

PHYSICAL

Shipping weight (lbs):	46.2
Shipping weight (kg):	21
Unit weight (lbs):	41.6
Unit weight (kg):	18.9
Unit Dimensions (HWD/in):	12.75 x 7.5 x 9.5
Unit Dimensions (HWD/cm):	32.4 x 19.1 x 24.2
Shipping Dimensions (HWD/in):	18 x 11.75 x 13.5
Shipping Dimensions (HWD/cm):	45.8 x 29.9 x 34.3
Material of construction:	PVC
Form factors supported:	Tower
Cooling method:	Built-in rear exit cooling fan
Battery Access:	Includes access door, hot swap battery replacement supported

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:	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:	75V (resets to line power as voltage increases to 79V)
High voltage transfer to battery power:	147V (resets to line power as voltage decreases to 143V)
CERTIFICATIONS	
Certifications:	UL1778 (USA), cUL (Canada), FCC Class A (emissions), NOM (Mexico)
WARRANTY	
Optional coverage:	3 year, 5 year, next day and on-site warranty coverage available for select opportunities - contact Tripp Lite for more 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 black tower UPS
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional):	BP36V27

*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.*



Tripp Lite World Headquarters
1111 W. 35th Street
Chicago, IL 60609 USA

Customer Support
(773) 869-1234

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