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## Model #: SMART1500XL

### SmartPro XL Expandable Tower UPS System - Intelligent, line-interactive network power management system



#### Highlights

- 1500VA / 1.5kVA line interactive, extended-run tower UPS
- Maintains 120V nominal output over an input range of 75 to 147V
- Network communications supported via USB port and serial port
- Current monitoring and switched PDU control via single-outlet load bank
- Input: NEMA 5-15P (120V 15A) / Output: 6 NEMA 5-15R (120V)
- 2 year product warranty / \$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 BP36V15-2U (limit 1) or BP36V42-3U 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).

#### 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.

#### Package Includes

- SMART1500XL UPS System
- USB and DB9 monitoring cables
- PowerAlert unattended shutdown and UPS/Power monitoring software
- Instruction manual with warranty information

#### Features

- 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 BP36V15-2U or BP36V42-3U 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

## Specifications

SYSTEM OVERVIEW	
<b>Voltage compatibility</b>	120 VAC
<b>Frequency compatibility</b>	60 Hz
OUTPUT	
<b>Output VA</b>	1500
<b>Output watts</b>	980
<b>Output nominal voltage</b>	120VAC
<b>Output voltage regulation</b>	LINE MODE: Sine wave line voltage 120V (-18% / +8%), BATTERY MODE: PWM sine wave output 115V +/-5%
<b>Output frequency regulation</b>	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
<b>Outlet quantity / type</b>	6 NEMA 5-15R
<b>Customized load management receptacles</b>	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.
<b>Overload protection</b>	Resettable circuit breaker
INPUT	
<b>Maximum input amps</b>	12A / 1150 watts
<b>Input connection type</b>	NEMA 5-15P
<b>Input cord length</b>	6 ft., 14 gauge
<b>Recommended electrical service</b>	15A 120V
BATTERY	
<b>Full load runtime</b>	7 minutes (1500VA)
<b>Half load runtime</b>	20 minutes (750VA)
<b>Expandable battery runtime</b>	Supports extended runtime with optional BP36V15-2U (limit 1) or BP36V42-3U external battery pack (multi-pack compatible)
<b>DC system voltage</b>	36 VDC
<b>Typical battery lifespan</b>	3-6 years, depending on usage
<b>Battery recharge rate</b>	2-4 hours to 90%
<b>Replacement Battery Cartridge</b>	RBC53
VOLTAGE REGULATION	

<b>Voltage regulation description</b>	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
<b>Overvoltage correction</b>	Input voltages between 128 and 147VAC are reduced by 12%
<b>Direct pass through</b>	Input voltages between 108 and 127VAC are passed on to connected equipment unchanged
<b>Brownout correction</b>	Input voltages between 93 and 107VAC are boosted by 14%
<b>Severe brownout correction</b>	Input voltages between 75 and 92VAC are boosted by 30%
<b>LEDS ALARMS &amp; SWITCHES</b>	
<b>Front panel LEDs</b>	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
<b>Alarms</b>	3 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
<b>Switches</b>	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.
<b>SURGE / NOISE SUPPRESSION</b>	
<b>AC surge suppression</b>	480 joules
<b>AC suppression response time</b>	Instantaneous
<b>EMI / RFI AC noise suppression</b>	Yes
<b>PHYSICAL</b>	
<b>Shipping weight (lbs)</b>	46.2
<b>Shipping weight (kg)</b>	21
<b>Shipping Dimensions (HWD/in)</b>	18 x 11.75 x 13.5
<b>Shipping Dimensions (HWD/cm)</b>	45.8 x 29.9 x 34.3
<b>Unit weight (lbs)</b>	41.6
<b>Unit weight (kg)</b>	18.9
<b>Unit Dimensions (HWD/in)</b>	12.75 x 7.5 x 9.5
<b>Unit Dimensions (HWD/cm)</b>	32.4 x 19.1 x 24.2
<b>Material of construction</b>	PVC
<b>Form factors supported</b>	Tower
<b>Cooling method</b>	Built-in rear exit cooling fan
<b>Battery Access</b>	Includes access door, hot swap battery replacement supported
<b>ENVIRONMENTAL</b>	
<b>Operating Temperature</b>	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
<b>Storage Temperature</b>	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
<b>Relative Humidity</b>	0 to 95%, non-condensing
<b>COMMUNICATIONS</b>	
<b>Network monitoring port</b>	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 mes

<b>Software and cabling included</b>	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
<b>WatchDog compatibility</b>	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
<b>LINE / BATTERY TRANSFER</b>	
<b>Transfer time from line power to battery mode</b>	2-4 milliseconds
<b>Low voltage transfer to battery power</b>	75V (resets to line power as voltage increases to 79V)
<b>High voltage transfer to battery power</b>	147V (resets to line power as voltage decreases to 143V)
<b>CERTIFICATIONS</b>	
<b>Certifications</b>	Tested to UL1778 (USA), cUL (Canada), FCC Class A (emissions), NOM (Mexico)
<b>WARRANTY</b>	
<b>Product warranty</b>	2 year product warranty
<b>Connected equipment insurance (USA and Canada Only)</b>	\$250,000 connected equipment insurance (USA / Canada only)
<b>Optional coverage</b>	3 year, 5 year, next day and on-site warranty coverage available for select opportunities - contact Tripp Lite for more information
<b>SPECIAL FEATURES</b>	
<b>Cold Start</b>	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
<b>Appearance</b>	Attractive gray tower UPS
<b>BATTERY PACK ACCESSORY (optional)</b>	
<b>Battery Pack Accessory (optional)</b>	BP36V15-2U (limit 1) or BP36V42-3U (multi-pack compatible)

More information, including related products, owner's manuals, and additional technical specifications, can be found online at [www.tripplite.com/products/model.cfm?txtModelID=2799](http://www.tripplite.com/products/model.cfm?txtModelID=2799).