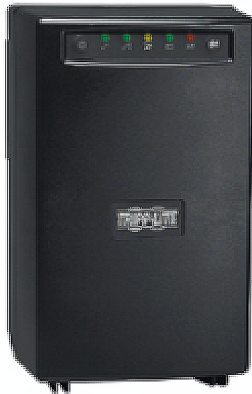# Model #: SMART1500XL

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

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.

Applications

Ideal for the protection of fileservers, 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

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120 VAC
Frequency compatibility	60 Hz
OUTPUT	
Output VA	1500
Output watts	980
Output nominal voltage	120VAC
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)
Half load runtime	20 minutes (750VA)
Expandable battery runtime	Supports extended runtime with optional BP36V15-2U (limit 1) or BP36V42-3U 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
Shipping Dimensions (HWD/in)	18 x 11.75 x 13.5
Shipping Dimensions (HWD/cm)	45.8 x 29.9 x 34.3
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
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 mes

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)
SPECIAL FEATURES	
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive gray tower UPS
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional)	BP36V15-2U (limit 1) or BP36V42-3U (multi-pack compatible)
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), cUL (Canada), FCC Class A (emissions), NOM (Mexico)
WARRANTY	
Product warranty	2 year product warranty
Optional coverage	3 year, 5 year, next day and on-site warranty coverage available for select opportunities - contact Tripp Lite for more information

Related Items

Extended Warranties		
WEXT3-500-1500	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]
WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]

External Battery Packs		
BP36V15-2U	BP36V15-2U - External Battery Pack for UPS System	Qty: [optional]
BP36V42-3U	BP36V42-3U - External Battery Pack for UPS System	Qty: [optional]

Firewire Cables		
U022-010	USB Cable - 10-ft. USB 2.0 AB Gold Device Cable	Qty: [optional]

Power Distribution		
PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]

Surge Protectors		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]

Wallmount Bracket		
UPSWM	Wallmount Bracket and installation accessories (4 washers, 4 screws, 1 Velcro safety strap)	Qty: [optional]

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