Model #: SM1500XLNAFTA

Smart Pro XL Expandable Tower UPS System - NAFTA assembled version of the SMART1500XL

Highlights

- 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 battery pack
- $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Description

Tripp Lite's SM1500XLNAFTA 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 optional 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 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

- SM1500XLNAFTA 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 optional 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
- $250,000 Ultimate Lifetime Insurance (USA & Canada Only). No warranty cards required for coverage!
- 2 year manufacturer's product warranty

Specifications

OUTPUT	
Frequency compatibility	60 Hz
Output VA	1500
Output 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
Overload protection	Resettable circuit breaker
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. "
INPUT	
UPS Input cord length (ft.)	6 ft., 14 gauge
Recommended Electrical Service	15A 120V
Maximum Input Amps (A)	12
Maximum Input Watts	1150
Input connection type	NEMA 5-15P
Voltage compatibility (VAC)	120
BATTERY	
Expandable battery runtime	Supports extended runtime with optional external battery pack (multi-pack compatible)
DC system voltage (VDC)	36
Battery Access	Includes access door, hot swap battery replacement supported

Full load runtime	7 minutes (1500VA), 53 minutes with 1 battery pack
Half load runtime	20 minutes (750VA), 117 minutes with 1 battery pack
Battery Pack Accessory (optional)	Battery packs available
Replacement Battery Cartridge	RBC53
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	2-4 hours to 90%

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%
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%
Direct pass through	Input voltages between 108 and 127VAC are passed on to connected equipment unchanged

LEDS ALARMS & SWITCHES

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.
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

SURGE / NOISE SUPPRESSION

UPS AC suppression joule rating	480 joules
EMI / RFI AC noise suppression	Yes
AC suppression response time	Instantaneous

PHYSICAL

Shipping weight (lbs)	46.2
Shipping weight (kg)	21
Cooling method	Built-in rear exit cooling fan
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
Unit weight (lbs)	41.6
Unit weight (kg)	18.9
Material of construction	PVC
Form factors supported	Tower

ENVIRONMENTAL

Relative Humidity	0 to 95%, non-condensing

COMMUNICATIONS

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
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

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

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

CERTIFICATIONS

Certifications	Tested to UL1778 (USA), cUL (Canada), FCC Class A (emissions), NOM (Mexico), RoHS compliant

WARRANTY

Product Warranty Period (Worldwide)	2-year limited warranty
Optional Coverage	3 year, 5 year, next day and on-site warranty coverage available for select opportunities - contact Tripp Lite for more information

Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

More information, including related products, owner's manuals, and additional technical specifications, can be found online at
www.tripplite.com/en/products/model.cfm?variables.txtModelID=3536.