Model #: SMART750XL

SmartPro XL Expandable Tower UPS System - Intelligent, line-interactive battery backup and network power management

Highlights

- 750VA line interactive, extended-run tower UPS
- Maintains sine-wave 120V nominal output over an input range of 91 to 145V
- Network communications supported via USB port, serial port, SNMP/Web card slot
- Current monitoring
- Input: NEMA 5-15P (120V 15A) / Output: 8 NEMA 5-15R (120V)
- 2 year product warranty / $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Description

Tripp Lite's SMART 750XL intelligent, line-interactive sine wave UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 30 minutes half load runtime and 10 minutes fully loaded. Runtime is expandable with optional BP36V15-2U (limit 1) or BP36V42-3U external battery packs. 750VA / 450 watt power handling capability and full-time sine wave output offers guaranteed compatibility with networking, telecom and other sensitive electronic applications. Includes 8 protected NEMA 5-15R output receptacles. Supports simultaneous remote monitoring of UPS and site power conditions via built-in network accessory card slot, USB and DB9 serial monitoring ports. Optional SNMPWEBCARD accessory enables remote monitoring of UPS as a managed device via network management console applications. Communications interfaces support messaging of UPS and line power status, plus output power control for delayed or immediate reboot of all connected devices at once. Includes PowerAlert UPS monitoring and unattended shutdown software with management support for an unlimited number of network UPS systems. Built-in audible alarm and 15 LEDs provide graphical readout of line power, battery power, battery charge level, load level, plus AVR boost and trim operational status information. Network grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges. Attractive, black tower housing in rugged all-metal enclosure. Two year warranty with $250,000 Ultimate Lifetime Insurance.

Applications

- Ideal for the protection of network fileservers, internetworking gear, switches, hubs, POS terminals, VOIP telephony and traditional PBX switching systems, back office computer systems, ATM machines, informational/internet/commerce kiosks, remote unattended servers, web servers, database servers, security systems, card readers, security cameras and other sensitive electronic devices requiring clean, continuously-regulated output power.

Package Includes

- SMART 750XL UPS System
- PowerAlert Software CD-Rom
- USB and serial cabling
- User manual with warranty information

Features

- SMART 750XL line-interactive UPS offers battery derived sine wave AC output during power outages, voltage regulation during brownouts and overvoltages, plus network-grade AC surge suppression
- 750VA / 450 watt power handling capability with full-time sine wave output offers guaranteed compatibility with networking, telecom and other sensitive electronic devices
- Large internal batteries offer runtimes of 30 minutes at half load (375VA) and 10 minutes at full load (750VA)
- Runtime is expandable with the addition of optional BP36V15-2U (limit 1) or BP36V42-3U external battery packs
- Automatic Voltage Regulation (AVR) circuits maintain user-selectable 100, 110, 120 or 127V nominal output over an input voltage range of 91-145V
- Includes 8 fully-protected NEMA 5-15R output receptacles arranged in a single load bank that can be powered off and back on again via software interface
- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, email notification, event logging and running user-defined script commands
- Offers simultaneous monitoring by up to 3 directly-connected devices through included USB, DB9 and SNMP* interfaces (*requires optional SNMPWEBCARD), or the monitoring of any number of additional UPS systems over IP with included PowerAlert monitoring software.
- Communications ports support messaging of UPS and line power status, including on-battery, low-battery, power restored, AC line voltage, DC battery voltage and remaining battery capacity
- Supports timed inverter shutoff after unattended shutdown, activate self-test and UPS output power control for delayed or immediate reboot of connected equipment
- Supports Tripp Lite's WatchDog software application to restore unresponsive programs by systematically restarting applications, operating systems and ultimately rebooting completely locked computers by momentarily switching UPS power off and back on again (requires optional WATCHDOGSW)
- 15 LEDs offer continuous detailed status information of UPS operating parameters and site power quality
- Hot-swappable batteries allow on-site battery replacement without powering off connected equipment
- 2 year warranty with up to $250,000 connected equipment insurance

Specifications

OUTPUT	
Frequency compatibility	60 Hz
Output VA	750
Output watts	450
Output nominal voltage	100, 110, 120 or 127V AC
Output voltage regulation	LINE MODE: Sine wave line voltage 120V (-12% / +5%), BATTERY MODE: Sine wave output 120V (+/-5%)
Output frequency regulation	LINE MODE: Passes line frequency of +/-10% BATTERY MODE: Inverter output regulated to 60Hz (+/- 1Hz)
Overload protection	Via 15A input breaker
Outlet quantity / type	8 NEMA 5-15R
Customized load management receptacles	Output receptacles are arranged in a single load bank configuration that can be remotely controlled via software interface for delayed or immediate reboot of connected equipment
INPUT	
UPS Input cord length (ft.)	6
Recommended Electrical Service	120V 15A
Maximum Input Amps (A)	6.9
Input connection type	NEMA 5-15P

Voltage compatibility (VAC)	100; 110; 120; 127

BATTERY

Expandable battery runtime	Runtime is expandable with BP36V15-2U or BP36V42-3U external battery packs
DC system voltage (VDC)	36
Battery Access	Supports battery access and hot-swap replacement without powering connected equipment off
Full load runtime	10 minutes (750VA) expandable
Half load runtime	30 minutes (375VA) expandable
Battery Pack Accessory (optional)	BP36V15-2U (limit 1) or BP36V42-3U (multi-pack compatible)
Replacement Battery Cartridge	RBC53
Typical battery lifespan	4-6 years depending on usage
Battery recharge rate	2-4 hours

VOLTAGE REGULATION

Voltage regulation description	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 100, 110, 120, 127V nominal output, without using battery power, during brownouts to 91V and overvoltages to 145V
Overvoltage correction	Input voltages between 132 and 145V AC are reduced by 13%
Brownout correction	Input voltages between 91 and 105 V AC are boosted by 17%
Direct pass through	Input voltages between 106 and 131V AC are passed on to connected equipment unchanged

LEDS ALARMS & SWITCHES

Alarms	Audible alarms indicate BATTERY MODE (.4 sec. On / 4.6 sec. Off) and OVERLOAD (.4 sec. On / .6 sec. Off), UPS POWERED ON (single .4 sec. On)
Switches	Yes, includes 2 front panel mounted switches - POWER ON switch powers UPS on in AC or battery mode when pressed longer than one second. Power on switch also initiates self test when pressed longer than .5 seconds as the UPS is in line power mode. Also ser
Front panel LEDs	Includes 14 front panel LEDs to indicate line / battery power status, over / under voltage correction, battery charge level (4 LEDs), load percentage (4 LEDs), overload and replace battery. Also includes 1 rear panel site wiring fault indicator.

SURGE / NOISE SUPPRESSION

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

PHYSICAL

Installation form factors supported with included accessories	Tower
Shipping weight (lbs)	50

Shipping weight (kg)	22.7
Cooling method	Fan
Unit Dimensions (HWD/in)	8.75 x 6.75 x 16.75
Unit Dimensions (HWD/cm)	22.2 x 17.2 x 42.5
Shipping Dimensions (HWD/in)	13 x 10 x 23.75
Shipping Dimensions (HWD/cm)	33 x 25.4 x 60.3
Unit weight (lbs)	45.5
Unit weight (kg)	20.7
Material of construction	Steel
Form factors supported	Tower

ENVIRONMENTAL

Relative Humidity	0 to 95%, non-condensing
Operating Temperature	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius

COMMUNICATIONS

WatchDog compatibility	Yes, compatible with Tripp Lite's WatchDog Software 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, temperature and line frequency status messaging. In
SNMP compatibility	Yes via internal SNMP adapter accessory #SNMPWEBCARD
Software and cabling included	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Ships with 2 cables, 1-USB & 1-DB9.

LINE / BATTERY TRANSFER

Transfer time from line power to battery mode	4-8 milliseconds
Low voltage transfer to battery power	Switches to battery power as line voltage decreases to 90 volts or less. Resets back to line power mode as line voltage increases to 96 volts or higher.
High voltage transfer to battery power	Switches to battery power as line voltage increases to 145 volts or higher. Resets back to line power mode as line voltage decreases to 140V or less.

SPECIAL FEATURES

Appearance	Attractive gray tower UPS
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure by pressing and holding the POWER ON button for longer than 1 second.

CERTIFICATIONS

Certifications	Tested to UL1778 (USA), cUL (Canada), Class B (emissions)
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

Related Items

Optional Products

Related Model	Description	Qty.
BP36V15-2U	BP36V15-2U - External Battery Pack for UPS System	1
BP36V42-3U	BP36V42-3U - External Battery Pack for UPS System	1
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	1
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	1
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	1
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	1
PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	1
SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	1
U022-010	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	1
WEXT3-500-1500	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	1
WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	1

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=2688.