

Smart Pro Expandable Tower UPS System

Intelligent, line-interactive network power management system



Cisco
Compatible

Esco Systems
Technology
Developed
for
the
Market

Model #: SMART750XL

- ▶ 750VA line-interactive tower UPS system with expandable battery runtime
- ▶ Sine wave output in AC and battery mode
- ▶ Simultaneous communications via SNMPWEBCARD slot, USB and DB9 serial ports
- ▶ Included PowerAlert UPS monitoring software manages an unlimited number of network UPS systems
- ▶ Corrects brownouts and overvoltages from 91 to 145V
- ▶ \$250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)
- ▶ Estimated Retail Pricing: \$400.00

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 29 minutes half load runtime and 12 minutes fully loaded. Runtime is expandable with optional BP36V27 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 scheduled 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. Free PowerAlert enterprise management software is also available for select opportunities. 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.

KEY BUYING POINTS

- 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 29 minutes at half load (375VA) and 12 minutes at full load (750VA)
- Runtime is expandable with the addition of optional BP36V27 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, pager & 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. Free PowerAlert enterprise management software is also available for select opportunities
- 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 scheduled 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
- UL (USA), cUL (Canada), NOM (Mexico), FCC Class B (Emissions) Listed
- 2 year warranty with up to \$250,000 connected equipment insurance

TYPICAL APPLICATIONS

- Ideal for the protection of network file servers, 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.

OPTIONS & ACCESSORIES

- External battery pack: [BP36V27](#)
- SNMP accessories: [SNMPWEBCARD](#), [ENVIROSENSE](#)
- Dataline protectors: [DNET1](#) [DTEL2](#), [DCATV](#)
- Circuit Tester: [CT120](#)
- Power Distribution: [PDU1215](#)
- USB Hubs-accessories: [U202-004-R](#), [U205-004-R](#), [U022-010](#)
- Extended warranties: 3 Year [WEXT3-500-1500](#), 5 Year [WEXT5-500-1500](#)

PACKAGE INCLUDES

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

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW

System overview: Line-interactive tower UPS with sine wave output and expandable battery runtime protects against blackouts, brownouts, overvoltages, surges and line noise. Maintains AC output during blackouts and continuously corrects inputs from 91 to 145 volts back to normal levels. Supports enhanced monitoring of UPS and line power conditions via built-in USB and DB9 serial ports, included PowerAlert monitoring software and complete cabling. Includes expansion slot for use with internal SNMPWEBCARD.

Voltage compatibility: 100, 110, 120 or 127V AC

Frequency compatibility: 60 Hz

OUTPUT

Output volt amp capacity (VA): 750

Output watt capacity (watts): 450

Output nominal voltage: 100, 110, 120 or 127V AC nominal, user-selectable via back panel dip switches

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)

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 scheduled or immediate reboot of connected equipment

Via 15A input breaker

Overload protection:

INPUT

Maximum input amps:

6.9A

Input connection type:

Detachable input cord with IEC-320 C14 inlet - package includes cable with NEMA 5-15P input plug

Input cord length:

6 ft.

Recommended electrical service:

120V 15A

BATTERY

Full load runtime:

12 minutes (750VA), add 1 BP36V27 for 67 minutes

Half load runtime:

29 minutes (375VA), add 1 BP36V27 for 156 minutes

Expandable battery runtime:

Runtime is expandable with BP36V27 external battery packs

DC system voltage:

36VDC

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%

Direct pass through:

Input voltages between 106 and 131V AC are passed on to connected equipment unchanged

Brownout correction:

Input voltages between 91 and 105 V AC are boosted by 17%

LEDS ALARMS & SWITCHES

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.

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 serves as an alarm silence when pressed for longer than .5 seconds in battery mode. POWER OFF switch turns UPS off when pressed and held for longer than 1 second.

SURGE / NOISE SUPPRESSION

AC surge suppression:

480 joules

AC suppression response time:

Instantaneous

EMI / RFI AC noise suppression:

Yes

PHYSICAL

Shipping weight (lbs):

50

Shipping weight (kg):

22.7

Unit weight (lbs):

45.5

Unit weight (kg):

20.7

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
Material of construction:	Steel
Form factors supported:	Upright tower
Cooling method:	Fan
Battery Access:	Supports battery access and hot-swap replacement without powering connected equipment off

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, temperature and line frequency status messaging. Interface supports timed inverter shutoff after unattended shutdown, activate self-test and output power control for scheduled or immediate reboot of connected equipment.
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.
SNMP compatibility:	Yes via internal SNMP adapter accessory #SNMPWEBCARD
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

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.

CERTIFICATIONS

Certifications:	UL1778 (USA), cUL (Canada), FCC Class B (emissions)
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WARRANTY

Optional coverage:	3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional 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 by pressing and holding the POWER ON button for longer than 1 second.
Appearance:	Attractive all-black tower UPS

*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.*



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