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Model #: SMART750XLA

SmartPro .75kVA Line Interactive Sine Wave UPS, Extended-run & SNMPWEBCARD options, Tower, USB, Serial, 100/110/120V

Highlights

- 750VA line interactive tower UPS; Sine wave output
- 100/110/120V nominal output during brownouts and overvoltages
- USB, RS232 and optional SNMP/Web card are available for simultaneous use
- Expandable runtime; Front panel status LEDs; Single line TEL/DSL suppression
- NEMA 5-15P input; 8 NEMA 5-15R outlets

Description

750VA line-interactive tower UPS system for server, networking and telecommunications equipment. Supports extended runtime with optional BP24V28-2U and BP24V70-3U external battery packs. Compatible with 120V, 110V or 100V nominal voltage at 60Hz. Switches to battery-derived AC output during power failures and extreme voltage variations. Line-interactive automatic voltage regulation (AVR) provides voltage boost during brownouts and voltage cut during overvoltages to maintain regulated output during brownouts and overvoltages. Includes NEMA 5-15P input plug and 8 NEMA 5-15R output receptacles. Network-grade AC surge and noise suppression. Network management via USB port, DB9 serial port and SNMPWEBCARD slot. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces at once. Includes PowerAlert monitoring software and complete cabling. Features 3-stage load current monitoring and battery charge status, plus line power and voltage boost/cut status LEDs. Dataline surge suppression protects dialup, DSL or network Ethernet connection. Audible alarm. Self-test. Field replaceable, hot-swappable internal batteries and external battery packs. Attractive all-black color scheme.

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

Features

- SmartPro line-interactive UPS system is ideal for voice, data, medical and industrial networking applications
- Large internal batteries offer 27 minutes at half load (375VA/250W) and 10 minutes at full load (750VA/500w)
- Runtime is expandable with optional BP24V28-2U (limit 1) and BP24V70-3U (no limit) external battery packs
- Some external battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)
- Line-interactive automatic voltage regulation (AVR) maintains selectable 120V, 110V or 100V nominal output during brownouts as low as 83V and overvoltages to 145V
- Network interfaces support simultaneous communications via built-in USB port, DB9 serial port and SNMPWEBCARD slot
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus

any number of additional servers over IP

- UPS interface supports on-battery, low-battery, power-restored, AC-voltage, DC-voltage, output current monitoring, battery charge current, battery capacity, timed inverter sutoff, activate self-test and output power control
- NEMA 5-15P input plug; 8 battery-supported NEMA 5-15R output receptacles
- Dataline surge suppression protects dialup, DSL or network Ethernet connection
- Front panel LEDs offer current monitoring, voltage regulation and battery charge level information
- UPS ships fully assembled in full compliance with DOT regulations; no time-consuming connection of internal batteries by user required

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	750
Output Watt Capacity (watts)	500
Nominal Output Voltage(s) Supported	100V; 110V; 120V
Frequency compatibility	60 Hz
Output voltage regulation (line mode)	-13%, + 15%
Built-in UPS output receptacles	8 5-15R outlet(s)
Output AC waveform (AC mode)	Pure Sine wave
Output AC waveform (battery mode)	Pure Sine wave
INPUT	
Rated input current (at maximum load)	5.4A (120V),5.8A (110V), 6.4A (100V)
Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	5-15P
UPS Input cord length (ft.)	10
UPS Input cord length (m)	3
Recommended Electrical Service	120V 15A
Voltage compatibility (VAC)	120
BATTERY	
Full load runtime (minutes)	10 min. (500w)
Half load runtime (minutes)	27 min. (250w)
Expandable battery runtime	Runtime is expandable with BP24V28-2U (limit 1) or BP24V70-3U (multi-pack compatible)

External battery pack compatibility	BP24V15RT2U (limit 1); BP24V28-2U (limit 1); BP24V70-3U (multi-pack compatible)
DC system voltage (VDC)	24
Battery recharge rate (included batteries)	Less than 4.5 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	RBC24-SLT
Battery Access	Supports battery access and hot-swap replacement without powering connected equipment off

VOLTAGE REGULATION

Voltage regulation description	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120, 110, 100V nominal output, without using battery power, during brownouts 95V (120V), 87V (110V), 83V (100V)
Overvoltage correction	Input voltages between 127 and 145V (120V), 116 and 133 (110V), 111 and 121 (100V) are reduced by 12%
Undervoltage correction	Voltage boost of 14% applies when input is 95 to 108 (120v), 87 to 99 (110v), 83 to 90 (100v)

LEDS ALARMS & SWITCHES

LED Indicators	9 LEDs indicate line power, battery power, AVR, overload and replace battery status - with a 3-LED level meter for load and battery charge level
Alarms	Audible alarm warns of power failure condition
Switches	Includes two pushbutton switches for on/off power control and self-test/ alarm cancel functions. Also includes two dipswitch controls for setting the nominal voltage

SURGE / NOISE SUPPRESSION

UPS AC suppression joule rating	570 joules
EMI / RFI AC noise suppression	Yes
AC suppression response time	Instantaneous
Dataline suppression	Includes 8-wire RJ45 jack; pins 1, 2, 3 and 6 provide 10baseT Ethernet line surge suppression with 7.5V clamping; pins 4 and 5 provide single-line tel/DSL line surge suppression starting at 260V

PHYSICAL

Installation form factors supported with included accessories	Tower
Primary form factor	Tower
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	10.1 x 6.7 x 13.8
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	25.7 x 17 x 35.1
UPS / Power Module weight (lbs)	33.9
UPS / Power Module weight (kg)	15.4

UPS Shipping dimensions (height x width x depth / inches)	13 x 10 x 23.8
UPS Shipping dimensions (height x width x depth / cm)	33 x 25.4 x 60.3
Shipping weight (lbs)	37
Shipping weight (kg)	16.8
UPS housing material	Steel
Cooling method	Fan

ENVIRONMENTAL

Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
AC mode BTU / hr. (full load)	70.8
Battery mode BTU / hr. (full load)	300
Audible Noise	Audible Noise < 50 dBA at Front Side 1 Meter

COMMUNICATIONS

Communications interface	USB; DB9 Serial; Slot for SNMP/Web interface
WatchDog compatibility	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
SNMP compatibility	SNMP adapter accessory # SNMPWEBCARD
Software and cabling included	Includes PowerAlert UPS monitoring software for all common network and stand-alone operating systems. Ships with 2 cables, 1 USB and 1 DB9

LINE / BATTERY TRANSFER

Transfer time	4-8 milliseconds
Low voltage transfer to battery power (setpoint)	95V (120V), 87V (110V), 83V (100V)
High voltage transfer to battery power (setpoint)	145V (120V), 133V (110V), 121V (100V)

SPECIAL FEATURES

Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
Appearance	Attractive all-black tower UPS

CERTIFICATIONS

Certifications	Tested to UL1778 (USA), CSA (Canada), RoHS Compliant, Class B (Emissions), NOM (Mexico), FCC Part 68 / Industry Canada (telecommunications)

WARRANTY

Product Warranty Period (Worldwide)	2-year warranty, 3 year with registration. Note: registration is required for 3-year 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	
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance	

Related Items

Optional Products

Related Model	Description	Qty.
BP24V15RT2U	BP24V15RT2U - External Battery Pack for UPS System	1
BP24V28-2U	BP24V28-2U - External Battery Pack for UPS System	1
BP24V70-3U	BP24V70-3U - 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
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?txtModelID=3820.