

SmartPro 120V 750VA 500W Line-Interactive Sine Wave UPS, Tower, Extended Run, Network Card Options, USB, DB9 Serial

MODEL NUMBER: **SMART750XLA**



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 slot for Network Management Card option. 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. PowerAlert UPS monitoring software is available via free download. 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.

Features

- SmartPro line-interactive UPS system is ideal for voice, data, medical and industrial networking applications
- Large internal batteries offer 20.7 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

Highlights

- 750VA line interactive tower UPS; Sine wave output
- 100/110/120V nominal output during brownouts and overvoltages
- USB, RS232 and slot for Network Management Card options
- Expandable runtime; Front panel status LEDs; Single line TEL/DSL suppression
- NEMA 5-15P input; 8 NEMA 5-15R outlets

Package Includes

- SMART 750XLa UPS System
- USB and serial cabling
- User manual with warranty information



- Some external battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)
- Intelligent battery management system extends battery life
- 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 slot for Network Management Card option
- Compatible with Tripp Lite UPS management card options WEBCARDLX and SNMPWEBCARD
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from www.tripplite.com/poweralert
- 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

OVERVIEW	
UPC Code	037332142948
UPS Type	Line-Interactive
INPUT	
Rated input current (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)	3.1
Recommended Electrical Service	120V 15A
Voltage Compatibility (VAC)	120
Input Phase	Single-Phase
OUTPUT	
Output Volt Amp Capacity (VA)	750
Output Watt Capacity (Watts)	500



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Nominal Voltage Details	120V default
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-13%, + 15%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output AC Waveform (AC Mode)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	100V; 110V; 120V
Output Receptacles	(8) 5-15R
Individually Controllable Load Banks	No
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Full Load Runtime (min.)	10 min. (500w)
Half Load Runtime (min.)	20.7 min. (250w)
Expandable Battery Runtime	Runtime is expandable with BP24V28-2U (limit 1) or BP24V70-3U (multi-pack compatible)
Expandable Runtime	Yes
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% (typical, full load discharge)
Battery Access	Supports battery access and hot-swap replacement without powering connected equipment off
Internal UPS Replacement Battery Cartridge	RBC24-SLT
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%; Voltage setpoints $\pm 5\%$ tolerance
Undervoltage Correction	Voltage boost of 14% applies when input is 95 to 108 (120v), 87 to 99 (110v), 83 to 90 (100v); Voltage setpoints $\pm 5\%$ tolerance
USER INTERFACE, ALERTS & CONTROLS	



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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
Audible Alarm	Audible alarm warns of power failure condition
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
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	570
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	
Cooling Method	Fan
Installation Form Factors Supported with Included Accessories	Tower
Primary Form Factor	Tower
Primary UPS Depth (mm)	351
Primary UPS Height (mm)	257
Primary UPS Width (mm)	170
Shipping Dimensions (hwd / cm)	35.56 x 24.38 x 45.21
Shipping Dimensions (hwd / in.)	14.00 x 9.60 x 17.80
Shipping Weight (kg)	17.42
Shipping Weight (lbs.)	38.40
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	25.65 x 17.02 x 35.05
UPS Power Module Dimensions (hwd, in.)	10.1 x 6.7 x 13.8
UPS Power Module Weight (kg)	15.38
UPS Power Module Weight (lbs.)	33.9
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)	71
AC Mode Efficiency Rating (100% Load)	96%



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Audible Noise	Audible Noise < 50 dBA at Front Side 1 Meter
COMMUNICATIONS	
Network Management Cards	 WEBCARDLX ; TLNETCARD ; SNMPWEBCARD
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at https://www.tripplite.com/poweralert
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
Communications Interface	DB9 Serial; Slot for SNMP/Web interface; USB
LINE / BATTERY TRANSFER	
Transfer Time	4-8 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	95V (120V), 87V (110V), 83V (100V); Voltage setpoints ±5% tolerance
High Voltage Transfer to Battery Power (Setpoint)	145V (120V), 133V (110V), 121V (100V); Voltage setpoints ±5% tolerance
SPECIAL FEATURES	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Expandable battery backup; Hot swappable batteries; Remote management; Sine wave output; Surge/noise protection
STANDARDS & COMPLIANCE	
UPS Certifications	Meets FCC Part 68 / Industrie Canada (telecommunications); ROHS (Restriction of Hazardous Substances); Tested to CSA (Canada); Tested to NOM (Mexico); Tested to UL1778 (USA)
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

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