

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 | |
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| 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 http://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 |