

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

MODEL NUMBER: **SMART750SLT**



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
- Detailed status LEDs; Single line TEL / DSL surge suppression
- NEMA 5-15P input; 8 NEMA 5-15R outlets

Package Includes

- SMART750SLT UPS System
- USB and serial cabling
- User manual with warranty information

Description

Tripp Lite's SMART750SLT 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 15 minutes half load runtime and 5 minutes fully loaded. 750VA/500 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 total, 4 of which offer surge suppression-only for less critical desktop accessories. Supports simultaneous remote monitoring of UPS and site power conditions via built-in network accessory card slot, USB and DB9 serial monitoring ports. 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. PowerAlert UPS monitoring software is available via free download. Built-in audible alarm and LEDs offer status notification for 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. Also includes single line TEL/DSL or Ethernet line surge suppression. Attractive, all-black tower housing.

Features

- SMART750SLT 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/500 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 17.8 minutes at half load (375VA/250 watts) and 6.5 minutes at full load (750VA/500 watts)
- Intelligent battery management system extends battery life
- Automatic Voltage Regulation (AVR) circuits maintain user-selectable 100, 110 or 120V nominal output over an input voltage range of 83 to 145V
- Includes 8 NEMA 5-15R output receptacles total, 4 with UPS and surge suppression for critical devices and 4 with surge-only protection for less critical accessories
- 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
- Network management interfaces include USB, DB9 serial and slot for Network Management Card option



- Compatible with Tripp Lite UPS management card options [WEBCARDLX](#), [SNMPWEBCARD](#) and [RELAYIOCARD](#)
- 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](#))
- Status LEDs offer continuous status information of UPS operating parameters and site power quality
- Hot-swappable batteries allow on-site battery replacement without powering off connected equipment
- Single line TEL/DSL and network Ethernet line surge suppression

Specifications

| OUTPUT | |
|---|--|
| Output Volt Amp Capacity (VA) | 750 |
| Output Watt Capacity (Watts) | 500 |
| Power Factor | 0.7 |
| Nominal Output Voltage(s) Supported | 100V; 110V; 120V |
| Nominal Voltage Details | 120V default (voltage selection via back panel switches) |
| Frequency Compatibility | 50 / 60 Hz |
| Frequency Compatibility Details | Automatic frequency selection |
| Output Voltage Regulation (Line Mode) | -13%, +15% |
| Output Voltage Regulation (Battery Mode) | +/- 5% |
| Output Receptacles | (8) 5-15R |
| UPS Output Receptacles (Surge Suppression Only) | 4 UPS outlets, 4 surge-only outlets |
| Output AC Waveform (AC Mode) | Sine wave |
| Output AC Waveform (Battery Mode) | Pure Sine wave |
| INPUT | |
| Rated input current (Maximum Load) | 12A |
| Nominal Input Voltage(s) Supported | 100V AC; 110V AC; 120V AC |
| UPS Input Connection Type | 5-15P |
| UPS Input Cord Length (ft.) | 6 |
| UPS Input Cord Length (m) | 1.8 |
| Recommended Electrical Service | 15A 120V |



| | |
|--|---|
| Input Phase | Single-Phase |
| BATTERY | |
| Full Load Runtime (min.) | 6.5 min. (500w) |
| Half Load Runtime (min.) | 17.8 min. (250w) |
| DC System Voltage (VDC) | 24 |
| Battery Recharge Rate (Included Batteries) | Less than 8 hours from 10% to 90% (typical, full load discharge) |
| Internal UPS Replacement Battery Cartridge | RBC24-SLT |
| Battery Access | Battery access door |
| Battery Replacement Description | Hot-swappable, user replaceable batteries |
| Expandable Runtime | No |
| VOLTAGE REGULATION | |
| Voltage Regulation Description | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 83 to 145 (120v), 87 to 133 (110v), 83 to 121 (100v) |
| Overvoltage Correction | Voltage reduction of 12% applies when input is 127 to 145 (120v), 116 to 133 (110v), 106 to 121 (100v) |
| Undervoltage Correction | Voltage boost of 17% applies when input is 96 to 108 (120v), 87 to 99 (110v), 83 to 90 (100v) |
| Severe Undervoltage Correction | Voltage boost of 32% applies when input is 83 to 95 (120v only) |
| USER INTERFACE, ALERTS & CONTROLS | |
| Switches | 2 Switches control off/on power status and alarm-cancel/self-test operation; rear panel protected switches support nominal voltage selection |
| Alarm Cancel Operation | Power-fail alarm can be silenced using alarm-cancel switch |
| Audible Alarm | Audible alarm indicates power failure and overload conditions |
| LED Indicators | LEDs indicate line power, battery power, AVR, overload and replace battery status - with a 3-LED level meter for load and battery charge level |
| Site Wiring Fault Indication | Rear panel site wiring fault LED |
| SURGE / NOISE SUPPRESSION | |
| UPS AC Suppression Joule Rating | 480 |
| UPS AC Suppression Response Time | Instantaneous |
| UPS Dataline Suppression | 1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet |
| EMI / RFI AC Noise Suppression | Yes |
| PHYSICAL | |
| Primary Form Factor | Tower |



| | |
|--|--|
| UPS Power Module Dimensions (hwd, in.) | 10.2 x 6.8 x 13.25 |
| UPS Power Module Dimensions (hwd, cm) | 25.91 x 17.27 x 33.66 |
| UPS Power Module Weight (lbs.) | 30 |
| UPS Power Module Weight (kg) | 13.61 |
| UPS Shipping Dimensions (hwd / in.) | 13.8 x 9.8 x 13.2 |
| UPS Shipping Dimensions (hwd / cm) | 35.05 x 24.89 x 33.53 |
| Shipping Weight (lbs.) | 32 |
| Shipping Weight (kg) | 14.5 |
| Cooling Method | Fan |
| UPS Housing Material | Steel |
| Primary UPS Height (mm) | 259 |
| Primary UPS Width (mm) | 173 |
| Primary UPS Depth (mm) | 337 |
| Shipping Height (mm) | 351 |
| Shipping Width (mm) | 249 |
| Shipping Depth (mm) | 335 |
| 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 |
| Battery Mode BTU / Hr. (Full Load) | 350 |
| AC Mode Efficiency Rating (100% Load) | 96% |
| Audible Noise | Audible Noise < 50 dBA at Front Side 1 Meter |
| COMMUNICATIONS | |
| Communications Interface | USB; DB9 Serial; Slot for SNMP/Web interface |
| Network Management Cards | SNMPWEBCARD ; WEBCARDLX ; RELAYIOCARD |
| 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 |
| Communications Cable | USB and DB9 cabling included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |



| 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 |
| High Availability UPS Features | Hot swappable batteries |
| Green Energy-Saving Features | Greater than 95% efficiency - GREEN UPS |
| CERTIFICATIONS | |
| UPS Certifications | Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico) |
| UPS Certification Details | EMI approvals: Yes |
| WARRANTY | |
| Product Warranty Period (Worldwide) | 2-year warranty, 3 year with registration. Note: Registration is required for 3-year warranty. |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 Ultimate Lifetime Insurance |

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