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

MODEL NUMBER: **SMART750SLT**





Highlights

- 100/110/120V nominal output during brownouts and overvoltages
- USB, RS-232 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
- Designed for commercial applications; see product description for home-use recommendations

Package Includes

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

Description

The 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 five minutes fully loaded. 750VA/500W power handling capability and full-time sine wave output offers guaranteed compatibility with networking, telecom and other sensitive electronic applications. Includes eight protected NEMA 5-15R output receptacles total, four 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.
This product is designed with features typically required in commercial applications, including network connectivity and a ruggedized case. For home use, consider SMART750USB or SMART750TSU.

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 PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert
- Network management interfaces include USB, DB9 serial and slot for Network Management Card option

- Compatible with 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 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

This product is designed with features typically required in commercial applications, including network connectivity and a ruggedized case. For home use, consider SMART750USB or SMART750TSU. Click to compare product features.

Specifications

OVERVIEW	
UPC Code	037332124395
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
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
Maximum Input Amps	12
OUTPUT	
Output Capacity (VA)	750
Output Capacity (kVA)	0.75
Output Capacity (Watts)	500
Output Capacity (kW)	0.5
Power Factor	0.7
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%
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
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)
Runtime Full Load (min.)	6.5 min. (500W)
Runtime Half Load (min.)	17.8 min. (250W)
Expandable Runtime	No
DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	Less than 8 hours from 10% to 90% (typical, full load discharge)
Battery Access	Battery access door
Internal UPS Replacement Battery Cartridge	RBC24-SLT
Battery Replacement Description	Hot-swappable, user replaceable batteries
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); Voltage setpoints ±5% tolerance
Severe Undervoltage Correction	Voltage boost of 32% applies when input is 83 to 95 (120v only); Voltage setpoints ±5% tolerance
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 Dataline Suppression	1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	480
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Tower
Cooling Method	Fan
Installation Form Factors Supported with Included Accessories	Tower
Primary UPS Depth (mm)	337
Primary UPS Height (mm)	259
Primary UPS Width (mm)	173
Shipping Dimensions (hwd / in.)	13.90 x 9.60 x 18.10
Shipping Dimensions (hwd / cm)	35.31 x 24.38 x 45.97
Shipping Weight (lbs.)	36.40
Shipping Weight (kg)	16.51
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	25.91 x 17.27 x 33.66
UPS Power Module Dimensions (hwd, in.)	10.2 x 6.8 x 13.25
UPS Power Module Weight (kg)	15.47
UPS Power Module Weight (lbs.)	34.1
Unit Weight (lbs.)	34.1000
Unit Weight (kg)	15.47
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0-95% non-condensing
AC Mode BTU / Hr. (Full Load)	70
AC Mode Efficiency Rating (100% Load)	96%
Audible Noise	Audible Noise < 50 dBA at Front Side 1 Meter
COMMUNICATIONS	
Network Management Cards	WEBCARDLXE ; 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 software at https://tripplite.eaton.com/products/power-alert
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network Management Card Description	Network management card optional
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
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring (requires WEBCARDLXE); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS
APPLICATIONS	
UPS Applications	Large Network; High-End Desktop/Small Network; Retail/Point of Sale; Hospitality
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); NOM (Mexico); UL 1778
Product Compliance	RoHS
WARRANTY & SUPPORT	
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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