



Model #: SMART750SLT

SmartPro Tower UPS - Intelligent, line-interactive network power management system



Highlights

- 750VA line interactive tower UPS
- Maintains sine-wave 100, 110 or 120V nominal output over an input range of 83 to 145V
- Network communications supported via USB port, serial port, SNMP/Web card slot
- Current monitoring, single line TEL/DSL or ethernet line surge suppression and four surge-only outlets
- Input: NEMA 5-15P (120V 15A) / Output: 8 NEMA 5-15R (120V)

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 20 minutes half load runtime and 7 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. Optional SNMPWEBCARD accessory enables remote monitoring of UPS as a managed device via network management console applications. 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. Includes PowerAlert UPS monitoring and unattended shutdown software with management support for an unlimited number of network UPS systems. Built-in audible alarm and 10 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.

Applications

Ideal for the protection of network file servers, 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

- SMART750SLT UPS System
- PowerAlert Software CD-Rom
- USB and serial cabling
- User manual with warranty information

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 20 minutes at half load (375VA/250 watts) and 7 minutes at full load (750VA/500 watts)

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

PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, email notification, event logging and running user-defined script commands

Offers simultaneous monitoring by up to 3 directly-connected devices through included USB, DB9 and SNMP* interfaces (*requires optional SNMPWEBCARD), or the monitoring of any number of additional UPS systems over IP with included PowerAlert monitoring software.

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)

10 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

UL (USA), cUL (Canada), NOM (Mexico), FCC Class B (Emissions) Listed

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	100, 110 or 120V AC
Frequency compatibility	50/60 Hz
OUTPUT	
Output VA	750
Output watts	500
Output nominal voltage	100, 110 or 120V AC
Output voltage regulation	LINE MODE: Sine wave line voltage 120V (-13% / +15%), BATTERY MODE: Sine wave output 120V (+/-5%)
Output frequency regulation	LINE MODE: Passes line frequency of +/-10% BATTERY MODE: Inverter output regulated to 60Hz (+/- 1Hz)
Outlet quantity / type	8 NEMA 5-15R (4 UPS supported outlets / 4 surge suppression only outlets)
Customized load management receptacles	Output receptacles are arranged in a single load bank configuration that can be remotely controlled via software interface for delayed or immediate reboot of connected equipment
INPUT	
Input connection type	NEMA 5-15P
Input cord length	6 ft.
Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime	7 minutes (750VA)
Half load runtime	20 minutes (375VA)
DC system voltage	24V DC

Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	4-8 hours to 90%
Replacement Battery Cartridge	RBC51 (quantity 2)
VOLTAGE REGULATION	
Voltage regulation description	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 100, 110 or 120V nominal output, without using battery power, during brownouts to 83V and overvoltages to 145V
Overvoltage correction	Input voltages between 127 and 145V AC are reduced by 13%
Direct pass through	Input voltages between 109 and 126V AC are passed on to connected equipment unchanged
Brownout correction	Input voltages between 83 and 108V AC are boosted by 32% and 17%
LEDS ALARMS & SWITCHES	
Front panel LEDs	Includes 10 front panel LEDs to indicate line / battery power status, over / under voltage correction, battery charge level, load percentage, overload and replace battery.
Alarms	Audible alarms indicate BATTERY MODE and OVERLOAD, UPS POWERED ON
Switches	Yes, includes 2 front panel mounted switches - POWER ON switch powers UPS on in AC or battery mode when pressed longer than one second. Power on switch also initiates self test when pressed longer than .5 seconds as the UPS is in line power mode. Also s
SURGE / NOISE SUPPRESSION	
AC surge suppression	480 joules
AC suppression response time	Instantaneous
Dataline suppression	Includes 8 wire RJ45 style jack - pins 1,2,3 & 6 offer 10baseT ethernet line surge suppression with 7.5V clamping, pins 4 & 5 offer single line TEL / DSL line suppression starting at 260V
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	32
Shipping weight (kg)	14.5
Shipping Dimensions (HWD/in)	13.75 x 9.75 x 13.25
Shipping Dimensions (HWD/cm)	34.9 x 24.8 x 33.7
Unit weight (lbs)	30
Unit weight (kg)	13.6
Unit Dimensions (HWD/in)	10.25 x 6.75 x 9
Unit Dimensions (HWD/cm)	26 x 17.1 x 22.9
Material of construction	Steel
Form factors supported	Tower
Cooling method	Rear panel fan
Battery Access	Supports battery access and hot-swap replacement without powering connected equipment off
ENVIRONMENTAL	
Operating Temperature	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius

Storage Temperature	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
COMMUNICATIONS	
Network monitoring port	Includes 2 built-in monitoring ports, 1-USB & 1-DB9. Each supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, temperature and line frequency status messaging.
Software and cabling included	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Ships with 2 cables, 1-USB & 1-DB9
SNMP compatibility	Yes via SNMP adapter accessory #SNMPWEBCARD
WatchDog compatibility	Yes, 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
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	4-8 milliseconds
Low voltage transfer to battery power	Switches to battery power as line voltage decreases to 83 volts or less. Resets back to line power mode as line voltage increases to 87 volts or higher.
High voltage transfer to battery power	Switches to battery power as line voltage increases to 145 volts or higher. Resets back to line power mode as line voltage decreases to 141V or less.
SPECIAL FEATURES	
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure by pressing and holding the POWER ON button for longer than 1 second.
Appearance	Attractive all-black tower UPS
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), cUL (Canada), Class B (emissions), RoHS-Compliant, FCC Part 68 / Industry Canada (telecommunications)
WARRANTY	
Product warranty	2 year product warranty
Connected equipment insurance (USA and Canada Only)	\$250,000 connected equipment insurance (USA / Canada only)
Optional coverage	3-5 year warranties, plus next day and on-site warranty coverage available

Related Items

Extended Warranties		
WEXT3-500-1500	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]
WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]
Power Distribution		
PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]
SNMP Accessories		
ENVIROSENSE	Power Management Tools - Environmental Sensor	Qty: [optional]
SNMPWEBCARD	Power Management Tools - Internal SNMP/Web Card	Qty: [optional]
Software		
WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	Qty: [optional]

Surge Protectors		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]
USB Hubs/Accessories		
U022-010	USB Cable - 10-ft. USB 2.0 AB Gold Device Cable	Qty: [optional]