Model #: SMART1500SLT

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

Highlights

1500VA / 1.5kVA line-interactive tower UPS system for networks
Sine wave output in AC and battery mode
Simultaneous communications via SNMPWEBCARD slot, HID-enabled USB port and DB9 serial port
Free PowerAlert UPS monitoring software manages an unlimited number of network UPS systems
Input: NEMA 5-15P (120V 15A) / Output: 8 x NEMA 5-15R (120V)
2 year product warranty .

Description

1500VA line-interactive tower UPS system for server, networking and telecommunications equipment. Upright tower form factor. Offers sine wave 100V, 110V or 120V nominal output in both AC and battery modes. Switches to battery-derived AC output during power failures and extreme voltage variations. Line-interactive automatic voltage regulation (AVR) provides voltage boost/cut during brownouts/overvoltages to maintain regulated 100V, 110V or 120V nominal output over an input voltage range of 95-145V. Includes NEMA 5-15P input plug and 8 UPS-supported NEMA 5-15R output receptacles. Network-grade AC surge and noise suppression. Network management interfaces support simultaneous communications via USB port, DB9 serial port and SNMPWEBCARD slot. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Supports simultaneous detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces. Includes PowerAlert monitoring software and complete cabling. Three-stage metered current monitoring and battery charge status LEDs. Data line surge suppression for dialup, DSL or network Ethernet connections. Utility power and voltage regulation LEDs. Audible alarm. Self-test. Field-replaceable, hot-swappable internal batteries. Attractive all-black color scheme. 2-year warranty

Applications

Ideal for protection of network fileservers, 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

SMART 1500SLT UPS System
PowerAlert Software CD-Rom
USB and serial cabling
User manual with warranty information

Features

SMART 1500SLT 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

1500VA/900 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 minutes at half load (750VA/450 watts) and 6 minutes at full load (1500VA/900 watts)

Automatic Voltage Regulation (AVR) circuits maintain user-selectable 100, 110, 120 or 127V nominal output over an input voltage range of 91 to 145V

Includes 8 fully-protected NEMA 5-15R output receptacles arranged in a single load bank that can be powered off and back on again via software interface

PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, pager & 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 scheduled 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)

15 LEDs offer continuous detailed status information of UPS operating parameters and site power quality

Hot-swappable batteries allow on-site battery replacement without powering off connected equipment

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

2 year warranty

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V, 100V, 110V (selectable)
Frequency compatibility	50 / 60Hz
OUTPUT	
Output VA	1500
Output watts	900
Output nominal voltage	120V, 110V, 100V (selectable)
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
INPUT	
Maximum input amps	10.1 (100V), 9.3 (110V), 8.6 (120V)
Input connection type	NEMA 5-15P
Input cord length	6 ft./1.8m
Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime	8 min.
Half load runtime	20 min.
DC system voltage	36V

Typical battery lifespan	4-6 years typical
Battery recharge rate	4-8 hours to 90%
Replacement Battery Cartridge	RBC53-SLT

VOLTAGE REGULATION

Voltage regulation description	Automatic voltage regulation (AVR) circuits maintain clean, regulated computer-grade 120V, 110V or 100V nominal output, without using battery power, during brownouts to 83V and overvoltages to 145V
Overvoltage correction	At 120V, input voltages between 127-145V are reduced by 12%; at 110V, input voltages between 116-133V are reduced by 12%; at 100V, input voltages between 106-121V are reduced by 12%
Brownout correction	At 120V, input voltages between 95-108V are boosted by 14%; at 110V, input voltages between 87-99V are boosted by 14%; at 100V, input voltages between 83-90V are boosted by 14%

LEDS ALARMS & SWITCHES

Front panel LEDs	Includes 10 front panel LEDs to indicate line/battery power status, over/undervoltage correction, battery charge level, load percentage, overload and replace battery.
Alarms	Audible alarms indicate BATTERY MODE (.4 sec. On / 4.6 sec. Off) and OVERLOAD (.4 sec. On / .6 sec. Off), UPS POWERED ON (single .4 sec. On)
Switches	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 with the UPS in line power mode. Also serves as an alarm

SURGE / NOISE SUPPRESSION

AC surge suppression	690 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)	49.2
Shipping weight (kg)	22.14
Shipping Dimensions (HWD/in)	14 x 9.75 x 18.5
Shipping Dimensions (HWD/cm)	35.6 x 24.8 x 47
Unit weight (lbs)	45
Unit weight (kg)	21.5
Unit Dimensions (HWD/in)	10.25 x 6.75 x 13.25
Unit Dimensions (HWD/cm)	26.04 x 17.15 x 33.7
Material of construction	Steel
Form factors supported	Tower
Cooling method	Fan
Battery Access	Supports battery access and hot-swap replacement without powering off connected equipment

ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Line mode BTU/hr. (Max.)	195 BTU/hr. or less (line power mode)
Battery mode BTU/hr. (Max.)	583 BTU/hr. or less (battery power mode)
Audible Noise	

COMMUNICATIONS	
Network monitoring port	2 built-in monitoring ports: 1 x USB and 1 x 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. Interface supports timed inverter shutoff after unattended shutdown, activate self-test and output power control for delayed or immediate reboot of connected equipment
Software and cabling included	PowerAlert UPS monitoring software for all common network and standalone operating systems. Ships with 2 cables: 1 x USB and 1 x DB9
SNMP compatibility	SNMP adapter accessory #SNMPWEBCARD
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

LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	4-6 milliseconds
Low voltage transfer to battery power	Switches to battery power as line voltage decreases to 95V (120V), 87V (110V) or 83V (100V) volts or less. Resets back to line power mode as line voltage increases to 100V (120V), 92V (110V) or 87V (100V) or higher.
High voltage transfer to battery power	Switches to battery power as line voltage increases to 145V (120V), 133V (110V) and 121V (100V) volts or higher. Resets back to line power mode as line voltage decreases to 141V (120V), 129V (110V), or 118V (100V) 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 color scheme

CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), RoHS-Compliant, Class A (Emissions), NOM (Mexico), FCC Part 68/Industry Canada (Telecommunications)

WARRANTY	
Product warranty	2 year product 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

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]

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