![Tripp-Lite Power Protection logo]

Model #: SMART1050SLT

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

Highlights

1050VA / 1.05kVA line-interactive tower UPS system for networks

Maintains sine-wave 120V nominal output over an input range of 95 to 145V

Simultaneous communications via SNMPWEBCARD slot, HID enabled USB and DB9 serial ports

Free PowerAlert UPS monitoring software manages an unlimited number of network UPS systems

Input: NEMA 5-15P (120V 15A) / Output: 8 NEMA 5-15R (120V)

2 year product warranty .

Description

1050VA 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 during brownouts and voltage cut during overvoltages to maintain regulated 100V, 110V or 120V nominal output over an input voltage range of 95-145V. Features NEMA 5-15P input plug and 8 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 full 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. Features 3-stage metered current monitoring and battery charge status LEDs. Dataline surge suppression for dialup, DSL or network Ethernet connection. Utility power and voltage regulation LEDs. Audible alarm. Self-test. Field replaceable, hot-swappable internal batteries and external battery packs. Attractive all-black color scheme.

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

SMART1050SLT UPS System
PowerAlert Software CD
USB and serial cabling
Owner's manual with warranty information

Features

SmartPro line-interactive UPS system is ideal for voice, data, medical and industrial networking applications

Line-interactive automatic voltage regulation (AVR) maintains selectable 100V, 110V or 120V nominal output during brownouts as low as 83V and overvoltages to 145V

Enables continuous operation through blackouts, voltage fluctuations and surges

Line-interactive AVR oprovides a 14% boost during brownouts and a 12% voltage cut during overvoltages

Standard internal battery set offers 19 min. runtime at half load (325W) and 7 min. at full load (650W)

Space-saving upright tower format

Network interfaces support simultaneous communications via built-in 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.

Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus any number of additional servers over IP

UPS interface supports on-battery, low-battery, power-restored, AC-voltage, DC-voltage, output current monitoring, battery charge current, battery capacity, timed inverter sutoff, activate self-test and output power control

NEMA 5-15P input plug; 8 x battery-supported NEMA 5-15R output receptacles

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

Single-line tel/DSL or network Ethernet line surge suppression

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V, 100V, 110V (selectable)
Frequency compatibility	50/60Hz
OUTPUT	
Output VA	1050
Output watts	650
Output nominal voltage	100, 110, 120 or 127V 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
INPUT	
Maximum input amps	6.1A (120V) / 6.6A (110V) / 7.2A (100V)
Input connection type	NEMA 5-15P
Input cord length	6 ft/1.8m
Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime	7 min.
Half load runtime	19 min.
DC system voltage	24VDC
Typical battery lifespan	4-6 years typical
Battery recharge rate	Less than 6 hours to 90% after full load discharge
Replacement Battery Cartridge	RBC24-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	120V: input voltages between 127-145V are reduced by 12% / 110V: Inputs between 116-133V are reduced by 12% / 100V: Inputs between 106-121V are reduced by 12%
Brownout correction	120V: Input voltages between 95-108V are boosted by 14% / 110V: Inputs between 87-99V are boosted by 14% / 100V: Inputs between 83-90V are boosted by 14%

LEDS ALARMS & SWITCHES

Front panel LEDs	10 front panel LEDs 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	2 front panel-mounted switches. POWER ON switch powers UPS on in AC or battery mode when pressed longer than 1 second. POWER ON switch also initiates self-test when pressed longer than 0.5 seconds with the UPS in line power mode. Also serves as an alarm s

SURGE / NOISE SUPPRESSION

AC surge suppression	690 joules
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
EMI / RFI AC noise suppression	Yes

PHYSICAL

Shipping weight (lbs)	39.6
Shipping weight (kg)	17.82
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)	36
Unit weight (kg)	16.2
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 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
Line mode BTU/hr. (Max.)	141 BTU/hr. (max. full load - line power mode)
Battery mode BTU/hr. (Max.)	452 BTU/hr. (max. full load - battery mode)
Audible Noise	< 50 dBA @ 1m

COMMUNICATIONS

Network monitoring port	Includes 2 built-in monitoring ports, 1 USB and 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 stand-alone operating systems. Ships with 2 cables, 1 USB and 1 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 equipmentâideal 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 (at 120V), 87V (at 110V) , or 83V (at 100V) or less. Resets back to line power mode as line voltage increases to 100V (at 120V), 92V (at 110V), or 87V (at 100V) or higher.
High voltage transfer to battery power	Switches to battery power as line voltage increases to 145V (at 120V), 133V (at 110V), and 121V (at 100V) volts or higher. Resets back to line power mode as line voltage decreases to 141 (at 120V), 129 (at 110V), or 118V (at 100V) or less

SPECIAL FEATURES

Cold Start	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 B (Emissions), NOM (Mexico), FCC Part 68 / Industry Canada (telecommunications)

WARRANTY

Product warranty	2 years
Optional coverage	3-year and 5-year extended warranty coverage; next-day and on-site warranty coverage available for select opportunities

Related Items

Audio Cables		
CT120	Instant-Read- AC Outlet Circuit Tester	Qty: [optional]

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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