

SmartPro Tower UPS

Intelligent, line-interactive network power management system



Cisco
Compatible

Cisco Systems | Technology
Developed for
the market

Model #: SMART1050SLT

- ▶ 1050VA line-interactive tower UPS system for 120V network applications
- ▶ Sine wave output in AC and battery modes
- ▶ Simultaneous communications via SNMPWEBCARD slot, HID-enabled USB port and DB9 serial port
- ▶ Included 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; \$250,000 Ultimate Lifetime Insurance (USA & Canada only)

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. Two-year warranty and \$250,000 connected equipment insurance; extended warranty and service contracts available.

KEY BUYING POINTS

- 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 provides 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
- 2-year warranty; \$250,000 Ultimate Lifetime Insurance (USA & Canada only)

TYPICAL APPLICATIONS

- Ideal for 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

OPTIONS & ACCESSORIES

- SNMP accessories: [SNMPWEBCARD](#), [ENVIROSENSE](#)
- Watchdog Software: [WATCHDOGSW](#)
- Dataline protectors: [DNET1](#) [DTEL2](#), [DCATV](#)
- Circuit tester: [CT120](#)
- Power distribution: [PDU1215](#)
- USB hubs-accessories: [U202-004-R](#), [U205-004-R](#), [U022-010](#)
- Extended warranties: 3-Year [WEXT3-500-1500](#), 5-Year [WEXT5-500-1500](#)

PACKAGE INCLUDES

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

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW

System overview:	1050VA line-interactive tower UPS system w/USB port, DB9 port and SNMP accessory slot
Voltage compatibility:	120V factory default (100V, 110V user selectable)
Frequency compatibility:	50/60Hz

OUTPUT

Output volt amp capacity (VA):	1050
Output watt capacity (watts):	650
Output nominal voltage:	120V factory default (110V, 100V user 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 x 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: 4-8 hours at 90%

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 silencer when pressed for longer than 0.5 seconds in battery mode. POWER OFF switch turns UPS off when pressed and held for longer than 1 second. Back panel includes voltage selection dip switches for 120V, 110V and 100V nominal power

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

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

Shipping Dimensions (HWD/in): 14 x 9.75 x 18.5

Shipping Dimensions (HWD/cm): 35.6 x 24.8 x 47

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

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. Interface supports timed inverter shutoff after unattended shutdown, activate self-test and output power control for delayed or immediate reboot of connected equipment. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X.

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 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 (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

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

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

Product warranty: 2 years

Connected equipment insurance (USA and Canada Only): \$250,000

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

*The policy of Tripp Lite is one of continuous improvement.
Specifications are subject to change without notice.
Therefore, your product may vary slightly from what is currently listed.*



Tripp Lite World Headquarters
1111 W. 35th Street
Chicago, IL 60609 USA

Customer Support
(773) 869-1234

© 2006 Tripp Lite. All Rights Reserved.