



**Tripp Lite**  
1111 West 35th Street  
Chicago, IL 60609 USA  
Telephone: +(773) 869 1234  
E-mail: [saleshelp@tripplite.com](mailto:saleshelp@tripplite.com)

## 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 / \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & 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.

#### 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

#### 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 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)

## Specifications

SYSTEM OVERVIEW	
<b>Voltage compatibility</b>	120V, 100V, 110V (selectable)
<b>Frequency compatibility</b>	50/60Hz
OUTPUT	
<b>Output VA</b>	1050
<b>Output watts</b>	650
<b>Output nominal voltage</b>	100, 110, 120 or 127V AC
<b>Output voltage regulation</b>	LINE MODE: Sine wave line voltage 120V (-13%/+15%), BATTERY MODE: Sine wave output 120V (+/-5%)
<b>Output frequency regulation</b>	LINE MODE: Passes line frequency of +/-10% BATTERY MODE: Inverter output regulated to 60Hz (+/- 1Hz)
<b>Outlet quantity / type</b>	8 NEMA 5-15R
INPUT	
<b>Maximum input amps</b>	6.1A (120V) / 6.6A (110V) / 7.2A (100V)
<b>Input connection type</b>	NEMA 5-15P
<b>Input cord length</b>	6 ft/1.8m
<b>Recommended electrical service</b>	15A 120V
BATTERY	
<b>Full load runtime</b>	7 min.
<b>Half load runtime</b>	19 min.
<b>DC system voltage</b>	24VDC
<b>Typical battery lifespan</b>	4-6 years typical
<b>Battery recharge rate</b>	Less than 6 hours to 90% after full load discharge
<b>Replacement Battery Cartridge</b>	RBC24-SLT
VOLTAGE REGULATION	
<b>Voltage regulation description</b>	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

<b>Overvoltage correction</b>	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%
<b>Brownout correction</b>	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%
<b>LEDS ALARMS &amp; SWITCHES</b>	
<b>Front panel LEDs</b>	10 front panel LEDs indicate line/battery power status, over/under voltage correction, battery charge level, load percentage, overload and replace battery
<b>Alarms</b>	Audible alarms indicate BATTERY MODE and OVERLOAD, UPS POWERED ON
<b>Switches</b>	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
<b>SURGE / NOISE SUPPRESSION</b>	
<b>AC surge suppression</b>	690 joules
<b>AC suppression response time</b>	Instantaneous
<b>Dataline suppression</b>	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
<b>EMI / RFI AC noise suppression</b>	Yes
<b>PHYSICAL</b>	
<b>Shipping weight (lbs)</b>	39.6
<b>Shipping weight (kg)</b>	17.82
<b>Shipping Dimensions (HWD/in)</b>	14 x 9.75 x 18.5
<b>Shipping Dimensions (HWD/cm)</b>	35.6 x 24.8 x 47
<b>Unit weight (lbs)</b>	36
<b>Unit weight (kg)</b>	16.2
<b>Unit Dimensions (HWD/in)</b>	10.25 x 6.75 x 13.25
<b>Unit Dimensions (HWD/cm)</b>	26.04 x 17.15 x 33.7
<b>Material of construction</b>	Steel
<b>Form factors supported</b>	Tower
<b>Cooling method</b>	Fan
<b>Battery Access</b>	Supports battery access and hot-swap replacement without powering connected equipment off
<b>ENVIRONMENTAL</b>	
<b>Operating Temperature</b>	+32 to +104 degrees Fahrenheit/0 to +40 degrees Celsius
<b>Storage Temperature</b>	+5 to +122 degrees Fahrenheit/-15 to +50 degrees Celsius
<b>Relative Humidity</b>	0 to 95%, non-condensing
<b>Line mode BTU/hr. (Max.)</b>	141 BTU/hr. (max. full load - line power mode)
<b>Battery mode BTU/hr. (Max.)</b>	452 BTU/hr. (max. full load - battery mode)
<b>Audible Noise</b>	< 50 dBA @ 1m

<b>COMMUNICATIONS</b>	
<b>Network monitoring port</b>	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.
<b>Software and cabling included</b>	Includes PowerAlert UPS monitoring software for all common network and stand-alone operating systems. Ships with 2 cables, 1 USB and 1 DB9
<b>SNMP compatibility</b>	SNMP adapter accessory # SNMPWEBCARD
<b>WatchDog compatibility</b>	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
<b>LINE / BATTERY TRANSFER</b>	
<b>Transfer time from line power to battery mode</b>	4-6 milliseconds
<b>Low voltage transfer to battery power</b>	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.
<b>High voltage transfer to battery power</b>	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
<b>CERTIFICATIONS</b>	
<b>Certifications</b>	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), RoHS Compliant, Class B (Emissions), NOM (Mexico), FCC Part 68 / Industry Canada (telecommunications)
<b>WARRANTY</b>	
<b>Product warranty</b>	2 years
<b>Connected equipment insurance (USA and Canada Only)</b>	\$250,000 connected equipment insurance (USA / Canada only)
<b>Optional coverage</b>	3-year and 5-year extended warranty coverage; next-day and on-site warranty coverage available for select opportunities
<b>SPECIAL FEATURES</b>	
<b>Cold Start</b>	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.
<b>Appearance</b>	Attractive all-black color scheme

More information, including related products, owner's manuals, and additional technical specifications, can be found online at [www.tripplite.com/products/model.cfm?txtModelID=3253](http://www.tripplite.com/products/model.cfm?txtModelID=3253).