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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.

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 shutoff, 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

OUTPUT	
Output Volt Amp Capacity (VA)	1050
Output kVA capacity (kVA)	1
Output Watt Capacity (watts)	650
Output power factor	0.6
Nominal Output Voltage(s) Supported	100V; 110V; 120V
Nominal Voltage details	120V default (voltage selection via back panel switches)
Frequency compatibility	50 / 60 Hz
Output voltage regulation (line mode)	-13%, + 15%
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	8 5-15R outlet(s)
Basic PDU options	PDU1215 (1U / 13 5-15R outlets); PDUNV (1U / 2 C19, 12 C13 outlets); PDU1415 (0U / 14 5-15R outlets); PDUV15 (0U / 12 5-15R outlets)
Metered PDU options	PDUMH15 (1U / 13 5-15R outlets); PDUMH15AT (1U / 8 5-15R outlets)*; PDUMV15 (0U / 16 5-15R outlets)
Switched PDU options	PDUMH15ATNET (1U / 8 5-15R outlets)*; PDUMV15NET (0U / 16 5-15R outlets)
External PDU redundancy options	*Auto Transfer Switch features utilizing the secondary PDU input cord are compatible with Smart Online UPS models only
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Sine wave
INPUT	
Rated input current (at maximum load)	6.1A (120V), 6.6A (110V), 7.2A (100V)
Nominal Input Voltage(s) Supported	100V AC; 110V AC; 120V AC

UPS input connection type	5-15P
UPS Input cord length (ft.)	6
UPS Input cord length (m)	1.8
Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime (minutes)	7 min. (650w)
Half load runtime (minutes)	19 min. (325w)
DC system voltage (VDC)	24
Battery recharge rate (included batteries)	Less than 6 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	RBC24-SLT
Battery Access	Battery access door
Battery replacement description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage regulation description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 95 to 145 (120v), 87 to 133 (110v), 83 to 121 (100v)
Overvoltage correction	Voltage reduction of 12% applies when input is 127 to 145 (120v), 116 to 133 (110v), 111 to 121 (100v)
Undervoltage correction	Voltage boost of 14% applies when input is 95 to 108 (120v), 87 to 99 (110v), 83 to 90 (100v)
LEDS ALARMS & SWITCHES	
LED Indicators	9 LEDs indicate line power, battery power, AVR, overload and replace battery status - with a 3-LED level meter for load and battery charge level
Site wiring fault indication	Rear panel site wiring fault LED
Alarms	Audible alarm indicates power failure and overload conditions
Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation; rear panel protected switches support nominal voltage selection
SURGE / NOISE SUPPRESSION	
UPS AC suppression joule rating	690
UPS AC suppression response time	Instantaneous
UPS Dataline suppression	1 line TEL / DSL or 10Base T Ethernet protection

EMI / RFI AC noise suppression	Yes
PHYSICAL	
Installation form factors supported with included accessories	Tower
Primary form factor	Tower
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	10.2 x 6.8 x 13.2
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	26 x 17.1 x 33.7
UPS / Power Module weight (lbs)	36
UPS / Power Module weight (kg)	16.3
UPS Shipping dimensions (height x width x depth / inches)	14 x 9.8 x 18.5
UPS Shipping dimensions (height x width x depth / cm)	35.6 x 24.8 x 47
Shipping weight (lbs)	39.6
Shipping weight (kg)	18
UPS housing material	Steel
Cooling method	Fan
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
AC mode BTU / hr. (full load)	141.1
Battery mode BTU / hr. (full load)	452.7
Audible Noise	Audible Noise < 50 dBA at Front Side 1 Meter
COMMUNICATIONS	
Communications interface	USB; DB9 Serial; Slot for SNMP/Web interface
Network monitoring port description	Supports detailed monitoring of UPS and site power conditions
PowerAlert software	Included
Communications cable	USB and DB9 cabling included

WatchDog compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
LINE / BATTERY TRANSFER	
Transfer time	4-6 milliseconds
Low voltage transfer to battery power (setpoint)	95V (120V), 87V (110V), 83V (100V)
High voltage transfer to battery power (setpoint)	145V (120V), 133V (110V), 121V (100V)
SPECIAL FEATURES	
Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
High availability UPS features	Hot swappable batteries
CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category B (EMI); Meets FCC Part 68 / Industrie Canada (telecommunications); ROHS (Reduction of Hazardous Substances)
WARRANTY	
Product Warranty Period (U.S., Canada & Puerto Rico)	2 years
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 connected equipment insurance

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
SNMP Accessories	SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	-
SNMP Accessories	ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	-
UPS Accessories	MODBUSCARD	For remote monitoring and control via MODBUS protocol	-
Extended Warranties	WEXT3-500-1500	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	-
Extended Warranties	WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	-
Replacement Batteries	RBC24-SLT	UPS Replacement Battery Cartridge for select Tripp Lite SLT UPS	-
Software	WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	-
Power Distribution	PDUB15	Dual source Power Distribution Unit / PDU with Manual Transfer Switch enables Hot-swappable UPS Replacement in Critical Network Applications	-
Power Distribution	PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
Power Distribution	PDUNV	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
Power Distribution	PDUMH15	Metered PDU / Power Distribution Unit - Safe, reliable power distribution with digital current meter	-

Power Distribution	PDUMH15AT	Metered PDU with ATS - Power Distribution Unit with dual-input Auto Transfer Switching	-
Power Distribution	PDUMNH15	Monitored PDU / Power Distribution Unit supports real-time remote monitoring of load level, voltage and frequency with options for remote environmental and security monitoring	-
Power Distribution	PDUMNV15	Monitored PDU / Power Distribution Unit supports real-time remote monitoring of load level, voltage and frequency with options for remote environmental and security monitoring	-
Power Distribution	PDUMH15ATNET	Switched, Metered PDU with ATS - Power Distribution Unit with dual-input Auto Transfer Switching, individual outlet control and remote network interface	-
Power Distribution	PDUMV15NET	Switched, Metered PDU with Remote Monitoring - 0U Vertical Rackmount Power Distribution Unit for Networks with Individually Switchable Outlets, Current Metering, Remote Monitoring and Control	-
Power Cables	P007-002	2-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P)	-
Power Cables	P007-006	6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P)	-
Power Cables	P007-010	10-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P)	-
Power Cables	P010-012	12-ft. 18AWG Power cord (NEMA 5-15P to IEC-320-C13)	-
Power Cables	P022-001	1-ft. 18AWG Power Extension cord (NEMA 5-15R to NEMA 5-15P)	-
Power Cables	P023-001	1-ft. 14AWG Power Adapter cord (NEMA L5-15R to NEMA 5-15P)	-
Power Cables	P034-010	10-ft. 14AWG Heavy Duty Power cord (IEC-320-C19 to NEMA 5-15P)	-

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

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