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

MODEL NUMBER: **SMART1500SLTXL**

Description

 1500VA line-interactive tower UPS system for server, networking and telecommunications equipment. Upright tower form factor. Offers sine wave 120V nominal output in both AC and battery modes. Runtime is expandable with the addition of BP36V15-2U (limit 1) or BP36V42-3U external battery packs. 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 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 (POE compatible). Utility power and voltage regulation LEDs. Audible alarm. Self-test. Field-replaceable, hot-swappable internal batteries. Attractive all-black color scheme. 2-year warranty and $250,000 connected equipment insurance; extended warranty and service contracts available.

Features

- SmartPro line-interactive UPS system is ideal for voice, data, medical and industrial networking applications
- Line-interactive voltage regulation maintains selectable 120V nominal output during brownouts as low as 95V and overvoltages to 145V
- Enables continuous operation through blackouts, voltage fluctuations and surges
- Line-interactive automatic voltage regulation (AVR) provides 14% voltage boost during brownouts and a 12% voltage cut during overvoltages
- Standard internal battery set offers 16 min. runtime at half load (490W) and 6.75 min. at full load (980W)
- Runtime is expandable with the addition of BP36V15-2U (limit 1) or BP36V42-3U external battery packs
- 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

Highlights

- 1500VA / 1.5kVA line-interactive extended run tower UPS system for networks
- Sine wave output in AC and battery mode
- Simultaneous communications via SNMPWEBCARD slot, HID enabled USB 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 NEMA 5-15R (120V)
- 2 year product warranty /$250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Package Includes

- SMART1500SLTXL UPS System
- PowerAlert Software CD
- USB and serial cabling
- Owner's manual with warranty information

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 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 (POE compatible)
- 2-year product warranty;$250,000 Ultimate Lifetime Insurance (USA, Puerto Rico, Canada)

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output kVA Capacity (kVA)	1.5
Output Watt Capacity (Watts)	980
Power Factor	0.7
Nominal Output Voltage(s) Supported	120V
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-12% / +14%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output Receptacles	(8) 5-15R
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
INPUT	
Rated input current (Maximum Load)	9.8A
Nominal Input Voltage(s) Supported	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 (min.)	6.75 min. (980w)
Half Load Runtime (min.)	16 min. (490w)
Expandable Battery Runtime	Extended runtime supported via optional external battery packs

External Battery Pack Compatibility	BP36V15-2U (limit 1); BP36V42-3U (multi-pack compatible)
DC System Voltage (VDC)	36
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90%
Internal UPS Replacement Battery Cartridge	RBC53
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 95V to 145V
Overvoltage Correction	Input voltages between 127 and 145V are reduced by 12%
Undervoltage Correction	Input voltages between 95 and 108V are boosted by 14%

USER INTERFACE, ALERTS & CONTROLS

Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch
Audible Alarm	Audible alarm indicates power failure and overload conditions
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

SURGE / NOISE SUPPRESSION

UPS AC Suppression Joule Rating	738
UPS AC Suppression Response Time	Instantaneous
UPS Dataline Suppression	1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet
EMI / RFI AC Noise Suppression	Yes

PHYSICAL

Installation Form Factors Supported with Included Accessories	Tower
Primary Form Factor	Tower
UPS Power Module Dimensions (hwd, in.)	10.1 x 6.6 x 13.8
UPS Power Module Dimensions (hwd, cm)	25.7 x 16.9 x 34.9
UPS Power Module Weight (lbs.)	44.6
UPS Power Module Weight (kg)	20.23
UPS Shipping Dimensions (hwd / in.)	14 x 9.8 x 13.3

UPS Shipping Dimensions (hwd / cm)	35.6 x 24.9 x 33.8
Shipping Weight (lbs.)	47.7
Shipping Weight (kg)	21.7
Cooling Method	Fan
UPS Housing Material	Steel
Primary UPS Height (mm)	257
Primary UPS Width (mm)	168
Primary UPS Depth (mm)	351
Shipping Height (mm)	356
Shipping Width (mm)	249
Shipping Depth (mm)	338

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)	175.4
Battery Mode BTU / Hr. (Full Load)	542.4
AC Mode Efficiency Rating (100% Load)	95%
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)	95
High Voltage Transfer to Battery Power (Setpoint)	145

SPECIAL FEATURES

Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS

CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI); Meets FCC Part 68 / Industrie Canada (telecommunications); ROHS (Restriction of Hazardous Substances)

WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance