



SmartPro UPS System - Intelligent, line-interactive battery backup for network and telecommunications System

MODEL NUMBER: **SMART2200XLNET**

Description

Tripp Lite's SMART2200XLNET intelligent, line interactive large tower UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 27 minutes half load runtime and 11 minutes fully loaded. Runtime is expandable with optional BP24V33 external battery packs. 2200VA/1700 watt power handling capability supports a variety of networking, telecom and other sensitive electronic applications. Includes 6 protected outlets. Supports remote monitoring of UPS and site power conditions via built-in RS-232 enabled monitoring port, plus standard UPS monitoring via 2 built in contact closure ports. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Supports SNMP with optional external SNMPWEBSOLO adapter. Built-in audible alarm and front panel LEDs indicate line power, battery power, battery charge level, load level, plus voltage regulation status. Network grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges. Attractive large gray tower housing. Two year warranty with \$250,000 connected equipment insur.

Features

- SMART2200XLNET line interactive UPS offers battery derived AC output during power outages, voltage regulation during brownouts and overvoltages, plus network-grade AC surge suppression
- 2200VA/1700 watt power handling capability supports a variety of networking, telecom and other sensitive electronic devices
- Large internal batteries offer runtimes of 27 minutes at half load (1100VA/850 watts) and 11 minutes at full load (2200VA/1700 watts)
- Runtime is further expandable with optional external BP24V33 battery packs
- Automatic Voltage Regulation (AVR) circuits maintain 120V nominal output over an input voltage range of 87-140V
- Includes 6 fully protected outlets (4 NEMA 5-15R & 2 NEMA 5-15/20R) with 2 single outlet load banks that can be individually powered off and back on again via software interface
- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, pager & email notification, event logging and running user defined script commands
- Offers simultaneous monitoring of up to 3 directly connected devices through included DB9 contact closure and RS-232 enabled interfaces, or the monitoring of any number of additional servers over IP with included PowerAlert monitoring software
- In addition to the contact closure monitoring of on battery, low battery and power restored messaging, built-in RS-232 interface supports messaging of UPS and line power status, including AC line voltage, DC battery voltage and remaining battery capacity
- Supports activate self-test and UPS output power control for scheduled or immediate reboot of connected equipment
- Diagnostic LEDs (indicate 17 performance conditions)
- UL (USA), cUL (Canada), NOM (Mexico), FCC Class A (Business) Listed
- \$250,000 Ultimate Lifetime Insurance (USA & Canada Only)

Highlights

- 2200VA line interactive tower UPS system for 120V network and telecommunications systems
- 3 Serial ports (1 RS-232, 2 contact closure), PowerAlert software and cabling
- Corrects brownouts and overvoltages from 87-140V
- Expandable with multiple BP24V33 external battery packs
- \$250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Package Includes

- SMART2200XLNET UPS System
- PowerAlert Software and 3 (6-ft.) network cables
- Warranty information
- Instruction manual

Specifications

OUTPUT



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Frequency Compatibility	60 Hz
Output (VA)	2200
Output (Watts)	1700
Output Nominal Voltage	120V AC
Output Voltage Regulation	LINE MODE: Sine wave line voltage 120V (-12% / +5%) BATTERY MODE: PWM sine wave output 120V +/-5%
Output Frequency Regulation	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Overload Protection	Via 20A input breaker
Customized Load Management Receptacles	"2 individually controllable outlets support automated load shedding and remote reboot on demand of local network devices. Configurable via PowerAlert software to automatically switch off optional loads, like monitors, to increase available runtime for servers and other critical devices"

INPUT

UPS Input Cord Length (ft.)	8
UPS Input Cord Length (m)	2.44
Recommended Electrical Service	20A 120V
Maximum Input Amps	15.2
Maximum Input Watts	1800
Input Connection Type	NEMA 5-20P
Voltage Compatibility (VAC)	120

BATTERY

Expandable Battery Runtime	Supports extended runtime with optional BP24V33 external battery pack (multi-pack compatible)
DC System Voltage (VDC)	24
Full Load Runtime	11 minutes (2200VA), 31 minutes with 1 BP24V33
Half Load Runtime	27 minutes (1100VA), 70 minutes with 1 BP24V33
Battery Pack Accessory (Optional)	BP24V33
Typical Battery Lifespan	3-6 years, depending on usage
Battery Charge	2-4 hours to 90%

VOLTAGE REGULATION

Voltage Regulation Description	Line interactive UPS offers 2 boost levels of brownout correction and a single level of overvoltage adjustment to maintain usable, computer grade output without consuming battery power.
Overvoltage Correction	Input voltages between 127 and 140V AC are reduced by 10%
Brownout Correction	Input voltages between 95 and 105V AC are boosted by 12%
Severe Brownout Correction	Input voltages between 87 and 94V AC are boosted by 22%

USER INTERFACE, ALERTS & CONTROLS



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Front Panel LEDs	Includes 5 front panel LEDs to indicate BATTERY CHARGE LEVEL, AC LINE POWER STATUS, VOLTAGE REGULATION STATUS, UPS LOAD LEVEL and BATTERY LOW / REPLACE information
Switches	Includes 2 front panel switches — one on/standby power switch and one dual function "alarm cancel" / "self test" button, plus 1 rear panel system enable switch
Audible Alarm	Audible alarm with 15 second delay sounds to indicate loss of utility power. Alarm can be silenced by pressing front panel alarm cancel button. Once silenced, alarm will re-sound when approximately 2 minutes runtime remain.
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	1800
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
PHYSICAL	
Shipping Dimensions (hwd / in.)	22.25 x 12.75 x 16.5
Shipping Dimensions (hwd / cm)	57.2 x 32.4 x 42
Shipping Weight (lbs.)	90
Shipping Weight (kg)	40.9
Unit Dimensions (hwd / in.)	17 x 9 x 12.5
Unit Dimensions (hwd / cm)	43.2 x 22.9 x 31.75
Unit Weight (lbs.)	83
Unit Weight (kg)	37.7
Cooling Method	Convection
Material of Construction	PVC
Receptacle Color	BLACK
Form Factors Supported	Tower
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Line Mode BTU / Hr. (max.)	148.2
Battery Mode BTU / Hr. (max.)	502.6
COMMUNICATIONS	
Network Monitoring Port	Includes 3 built-in DB9 monitoring ports, 1 enabled with RS-232 data communications and 2 with standard contact closure communications. All interfaces support on battery, low battery and power restored messaging. RS-232 enabled port adds data regarding AC
SNMP Compatibility	Yes via external SNMP adapter accessory #SNMPWEBSOLO
LINE / BATTERY TRANSFER	



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Transfer Time (Line Power to Battery Mode)	2-4 milliseconds
Low Voltage Transfer to Battery Power	87V
High Voltage Transfer to Battery Power	140V
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), cUL (Canada), FCC Class A (emissions), NOM (Mexico)
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty
Optional Coverage	3 year, 5 year, next day and on-site warranty coverage available for select opportunities - contact Tripp Lite for more information
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance

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