SmartPro 120V 2.2kVA 1.6kW Line-Interactive UPS, Tower, Extended Run, Network Card Options, USB, DB9 Serial

MODEL NUMBER: **SMART2200VSXL**





Highlights

- 2.2kVA / 2200VA line interactive tower UPS system
- 120V nominal output during brownouts to 79V and overvoltages to 147V
- Expandable runtime; Status LEDs with load and battery display
- USB, RS232, EPO and slot for Network Card Options; 3 switched load banks
- NEMA 5-20P input; 2 NEMA 5-15/20R and 7 5-15R outlets

Package Includes

- SMART 2200VSXL UPS System
- USB & DB9 serial cabling
- Instruction manual

Description

Tripp Lite's SMART 2200VSXL intelligent, line interactive UPS with expandable runtime protects server, networking and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Small footprint, tower UPS system occupies only 106 square inches of floorspace with a height of only 14.25 inches. Large capacity 2200 VA/1600 watt rated UPS system offers 7 minutes runtime at full load and 19 minutes at half load during power failures. Runtime is expandable with optional external battery packs. Line interactive voltage regulation corrects brownouts as low as 79V and overvoltages as high as 147V to fully regulated 120V nominal output for smooth continuous operation of connected equipment. Includes a total of 10 outlets, 3 of which can be individually powered off and back on via software interface to selectively reboot remote equipment or shed less critical loads to extend battery runtime for more critical loads. Includes slot for Network Monitoring card option. Includes 2 DB9 and 2 USB enhanced monitoring ports for unattended shutdown, remote control and monitoring of UPS system and power data. Ships in attractive gray color scheme. Compatible with Tripp Lite's PowerAlert and Watchdog service software.

Features

- 2200VA/1600 watt output capacity accommodates a variety of server, networking and telecom devices
- High power density 2.2kVA UPS system occupies only 106 square inches of floorspace with a height of only 14.25 inches
- Compatible with North American 120V/60 Hz power as found in the USA, Canada and Mexico
- Offers 7 minutes runtime with a full load of 2200VA and 19 minutes with a half load of 1100VA
- Runtime is expandable with BP48V24-2U (limit 1), BP48V60RT-3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible) external battery packs
- Intelligent battery management system extends battery life
- Line interactive voltage regulation corrects severe brownouts and overvoltages from 79 to 147v back to normal 120v levels without using battery power
- 10 total outlets (7 NEMA5-15R; 2 NEMA5-15/20R; 1 L5-20R)

- Includes NEMA 5-20P straight blade 20 amp input plug connection
- Notification of system status via 5 LEDs and multi-function audible alarms
- 4 built-in communications ports (2-DB9, 2-USB) for remote monitoring and unattended shutdown
- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert
- Compatible with Tripp Lite UPS management card options TLNETCARD, WEBCARDLX and SNMPWEBCARD
- Supports Tripp Lite's WatchDog software application to restore unresponsive programs by automatically restarting them and rebooting completely locked computers by automatically switching UPS power off and back on again
- Communication ports support on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature and line frequency status messaging. Interface supports timed inverter shutoff after unattended shutdown, activate self-test and 10 second reboot of connected equipment
- 3 individual customized load management receptacles can be individually powered off and back on again via software interface to reboot remote equipment or shed less critical loads to extend battery runtime for the most critical equipment
- Built-in Emergency Power Off (EPO) interface supports emergency shutoff in large facilities
- Hot-swappable/user replaceable batteries allow on-site battery replacement without powering off connected equipment
- UPS battery set ships fully assembled and ready for use, no time consuming, connection of individual internal batteries by user is necessary

Specifications

OVERVIEW	
UPC Code	037332116871
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	16A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-20P
Input Circuit Breakers	20A
UPS Input Cord Length (ft.)	8
UPS Input Cord Length (m)	2.4
Recommended Electrical Service	20A 120V
OUTPUT	
Output Capacity (VA)	2200
Output Capacity (kVA)	2.2
Output Capacity (Watts)	1600
Output Capacity (kW)	1.6

Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-18% / +8%
Output Voltage Regulation (Battery Mode)	+/- 5%
Load Management Receptacles	Three switchable single-outlet 5-15R load banks
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	110V; 115V; 120V
Output Receptacles	(7) 5-15R; (2) 5-15/20R; (1) L5-20R
Individually Controllable Load Banks	Yes
BATTERY	
Runtime Full Load (min.)	7 min. (1600w)
Runtime Half Load (min.)	19 min. (800w)
Expandable Runtime	Yes
External Battery Pack Compatibility	BP48V24-2U (limit 1); BP48V60RT-3U (multi-pack compatible); BP48V27-2US (multi-pack compatible)
DC System Voltage (VDC)	48
Battery Recharge Rate (Included Batteries)	Less than 4 hours from 10% to 90% (typical, full load discharge)
Battery Access	Battery access door
Internal UPS Replacement Battery Cartridge	RBC54
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 79V to 147V
Overvoltage Correction	Input voltages between 128 and 147 are reduced by 12%
Undervoltage Correction	Input voltages between 95 and 104 are boosted by 12%
Severe Undervoltage Correction	Input voltages between 79 and 94 are boosted by 24%
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; once silenced, alarm will re-sound to indicate low-battery status
Audible Alarm	Audible alarm indicates power-failure, overload and low-battery conditions
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status

SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	480
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Tower
Cooling Method	Fan
Primary UPS Depth (mm)	305
Primary UPS Height (mm)	361
Primary UPS Width (mm)	234
Shipping Dimensions (hwd / in.)	20.00 x 14.90 x 15.20
Shipping Dimensions (hwd / cm)	50.80 x 37.85 x 38.61
Shipping Weight (lbs.)	63.80
Shipping Weight (kg)	28.94
UPS Housing Material	Polycarbonate
UPS Power Module Dimensions (hwd, cm)	36.07 x 23.37 x 30.48
UPS Power Module Dimensions (hwd, in.)	14.2 x 9.2 x 12
UPS Power Module Weight (kg)	25.63
UPS Power Module Weight (lbs.)	56.5
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 Efficiency Rating (100% Load)	94%
Audible Noise	Audible Noise < 47dBA At Front Side 1 Meter
COMMUNICATIONS	
Network Management Cards	SNMPWEBCARD; TLNETCARD ; WEBCARDLX
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions; 2 USB ports, 1 DB9 serial and 1 DB9 contact closure port (4 total)
PowerAlert Software	For local monitoring via the UPS’s built-in communication ports, download PowerAlert software at https://tripplite.eaton.com/products/power-alert
Communications Cable	2 USB and 2 DB9 cables included

WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Communications Interface	Contact closure; DB9 Serial; Slot for SNMP/Web interface; USB
LINE / BATTERY TRANSFER	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	79
High Voltage Transfer to Battery Power (Setpoint)	147
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year warranty, 3 year with registration. Note: Registration is required for 3-year warranty.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

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