SmartPro 120V 2.2kVA 1.6kW Line-Interactive Sine Wave UPS, Tower, Network Card Options, USB, DB9

MODEL NUMBER: **SMART2200SLT**





Highlights

- 2.2kVA / 2200VA line interactive tower UPS; Sine wave output
- 120V nominal output during brownouts to 83 and overvoltages to 145V
- USB, RS232, EPO and slot for Network Management Card options
- Front panel status LEDs with detailed load and battery capacity display
- NEMA 5-20P input; 6 NEMA 5-15/20R and 1 L5-20R outlets

Package Includes

- SMART2200SLT UPS System
- USB and DB9 cables
- Owner's manual

Description

2200VA 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. 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 83-145V. Includes NEMA 5-20P input plug and 7 UPS-supported (6 x 5-15/20R & 1 L5-20R) output receptacles. Network-grade AC surge and noise suppression. Network management interfaces support simultaneous communications via USB port, DB9 serial port and slot for Network Management Card option. 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 three network interfaces. PowerAlert UPS management software is available via free download. Three-stage metered current monitoring and battery charge status LEDs. Utility power and voltage regulation, and battery warning LEDs. Audible alarm. Self-test. Field-replaceable, hot-swappable internal batteries. Attractive all-black color scheme.

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 83V and overvoltages to 145V
- Enables continuous operation through blackouts, voltage fluctuations and surges
- Line-interactive automatic voltage regulation (AVR) provides 12% and 24% voltage boost during brownouts and a 12% voltage cut during overvoltages
- Standard internal battery set offers 13 min. runtime at half load (800W) and 5 min. at full load (1600W)
- Intelligent battery management system extends battery life
- Space-saving upright tower format
- Network interfaces support simultaneous communications via built-in USB port, DB9 serial port and slot for Network Management Card option; Compatible with UPS management card options WEBCARDLX, SNMPWEBCARD and RELAYIOCARD
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and macOS
- USB & Serial ports enable data-saving unattended shutdown when used with PowerAlert software,

available via FREE download from tripplite.eaton.com/products/power-alert

- 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 5-20P input plug/6 x NEMA 5-15R and 1 x NEMA L5-20R output receptacles
- Front panel LEDs provide current monitoring, voltage regulation, battery charge level, and battery warning information
- UPS ships fully assembled in full compliance with DOT regulations; no time-consuming connection of internal batteries by user required

Specifications

OVERVIEW	
UPC Code	037332125774
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	14.8A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-20P
Input Circuit Breakers	20A
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	20A 120V
OUTPUT	
Output Capacity (VA)	2200
Output Capacity (kVA)	2.2
Output Capacity (Watts)	1600
Output Capacity (kW)	1.6
Power Factor	0.7
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%
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave

Nominal Output Voltage(s) Supported	110V; 115V; 120V
Output Receptacles	(6) 5-15/20R; (1) L5-20R
Individually Controllable Load Banks	No
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	5 min. (1600W)
Runtime Half Load (min.)	13 min. (800W)
Expandable Runtime	No
DC System Voltage (VDC)	48
Battery Recharge Rate (Included Batteries)	Less than 4.5 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 83V to overvoltages to 145V
Overvoltage Correction	Input voltages between 127 and 145 are reduced by 12%; Voltage setpoints subject to ±5% tolerance
Undervoltage Correction	Input voltages between 96 and 108V are boosted by 12%; Voltage setpoints subject to ±5% tolerance
Severe Undervoltage Correction	Input voltages between 83 and 95V are boosted by 24%; Voltage setpoints subject to ±5% tolerance
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
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	570
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Tower
Cooling Method	Fan

Installation Form Factors Supported with Included Accessories	Tower
Primary UPS Depth (mm)	318
Primary UPS Height (mm)	267
Primary UPS Width (mm)	226
Shipping Dimensions (hwd / in.)	15.40 x 14.30 x 17.20
Shipping Dimensions (hwd / cm)	39.12 x 36.32 x 43.69
Shipping Weight (lbs.)	69.10
Shipping Weight (kg)	31.34
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	26.67 x 22.61 x 31.75
UPS Power Module Dimensions (hwd, in.)	10.5 x 8.9 x 12.5
UPS Power Module Weight (kg)	25.85
UPS Power Module Weight (lbs.)	57
Unit Weight (lbs.)	57.0000
Unit Weight (kg)	25.85
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	287
AC Mode Efficiency Rating (100% Load)	95%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	889
Audible Noise	Audible Noise < 50 dBA at Front Side 1 Meter
COMMUNICATIONS	
Network Management Cards	WEBCARDLXE ; RELAYIOCARD
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
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	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)

LINE / BATTERY TRANSFER	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	83V (±5% tolerance)
High Voltage Transfer to Battery Power (Setpoint)	145V (±5% tolerance)
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring (requires WEBCARDLXE); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS
APPLICATIONS	
UPS Applications	Large Network
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); NOM (Mexico); UL 1778
Product Compliance	RoHS; FCC Part 15 Class A (USA)
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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