

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

MODEL NUMBER: **SMART2200SLT**



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

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 & 1 L5-20R outlets

Package Includes

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



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 Tripp Lite 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 Mac OS X
- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from www.tripplite.com/poweralert
- 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

| OUTPUT | |
|--|--------------------------|
| Output Volt Amp Capacity (VA) | 2200 |
| Output kVA Capacity (kVA) | 2.2 |
| Output Watt Capacity (Watts) | 1600 |
| Output kW Capacity (kW) | 1.6 |
| Power Factor | 0.7 |
| Nominal Output Voltage(s) Supported | 120V |
| Frequency Compatibility | 60 Hz |
| Output Voltage Regulation (Line Mode) | -18% / +8% |
| Output Voltage Regulation (Battery Mode) | +/- 5% |
| Output Receptacles | (6) 5-15/20R; (1) L5-20R |
| Output AC Waveform (AC Mode) | Sine wave |



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| | |
|--|--|
| Output AC Waveform (Battery Mode) | Pure Sine wave |
| INPUT | |
| 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) | 3.0 |
| Recommended Electrical Service | 20A 120V |
| Input Phase | Single-Phase |
| BATTERY | |
| Full Load Runtime (min.) | 5 min. (1600w) |
| Half Load Runtime (min.) | 13 min. (800w) |
| DC System Voltage (VDC) | 48 |
| Battery Recharge Rate (Included Batteries) | Less than 4.5 hours from 10% to 90% (typical, full load discharge) |
| Internal UPS Replacement Battery Cartridge | <u>RBC54</u> |
| Battery Access | Battery access door |
| Battery Replacement Description | Hot-swappable, user replaceable batteries |
| Expandable Runtime | No |
| 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% |
| Undervoltage Correction | Input voltages between 96 and 108V are boosted by 12% |
| Severe Undervoltage Correction | Input voltages between 83 and 95V 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 |
| 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 |



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| 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 |
| UPS Power Module Dimensions (hwd, in.) | 10.5 x 8.9 x 12.5 |
| UPS Power Module Dimensions (hwd, cm) | 26.67 x 22.61 x 31.75 |
| UPS Power Module Weight (lbs.) | 57 |
| UPS Power Module Weight (kg) | 25.85 |
| UPS Shipping Dimensions (hwd / in.) | 14.5 x 13.8 x 18 |
| UPS Shipping Dimensions (hwd / cm) | 36.83 x 35.05 x 45.72 |
| Shipping Weight (kg) | 0 |
| Cooling Method | Fan |
| UPS Housing Material | Steel |
| Primary UPS Height (mm) | 267 |
| Primary UPS Width (mm) | 226 |
| Primary UPS Depth (mm) | 318 |
| Shipping Height (mm) | 368 |
| Shipping Width (mm) | 351 |
| Shipping Depth (mm) | 457 |
| 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) | 287 |
| Battery Mode BTU / Hr. (Full Load) | 889 |
| AC Mode Efficiency Rating (100% Load) | 95% |
| Audible Noise | Audible Noise < 50 dBA at Front Side 1 Meter |



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| COMMUNICATIONS | |
|---|--|
| Communications Interface | USB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface |
| Network Management Cards | SNMPWEBCARD; WEBCARDLX; 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 Local software at http://www.tripplite.com/poweralert |
| 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 | 2-4 milliseconds |
| Low Voltage Transfer to Battery Power (Setpoint) | 83 |
| 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) |
| WARRANTY | |
| Product Warranty Period (Worldwide) | 2-year warranty, 3 year with registration. Note: <u>Registration is required</u> for 3-year warranty. |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 <u>Ultimate Lifetime Insurance</u> |

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