

## SmartOnline Expandable Tower UPS System - NAFTA assembled version of SU2200XLa

MODEL NUMBER: SU2200XLNAFTA



### Description

2200VA on-line, double-conversion UPS system for critical server, network and telecommunications equipment. Upright tower form factor. Expandable battery runtime with optional BP48V60-3UNAFTA external battery packs. Full-time sine wave 110 or 120V +/-2% output. Online, double-conversion Uninterruptible Power Supply (UPS) actively converts raw incoming AC power to DC, then re-converts output back to completely regulated, filtered AC output. Operates continuously without using battery power during brownouts to 65V and overvoltages to 138V. NEMA 5-20P input plug (optional 5-15P included); NEMA 5-15/20R and NEMA L5-20R output receptacles. Network-grade AC surge and noise suppression. Zero transfer time between AC and battery operation. 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. Emergency Power Off (EPO) interface. Integrated 2-bank PDU switching supports load shedding and remote-reboot of connected equipment. 3-stage metered current monitoring and battery charge status LEDs. Dataline surge suppression for dialup, DSL or network Ethernet connection. Utility power and voltage regulation LEDs. Audible alarm. Self-test. Fault-tolerant auto-bypass mode. Field-replaceable, hot-swappable internal batteries and external battery packs. Attractive all-black color scheme. \$250,000 connected equipment insur;

### Features

- SmartOnline high performance UPS system is ideal for critical voice, data, medical and industrial network applications
- True on-line, double-conversion UPS provides perfectly regulated sine wave output within 2% of 110/120V (user selectable) under all usage conditions
- Maintains continuous operation through blackouts, voltage fluctuations and surges with zero transfer time
- Removes harmonic distortion, fast electrical impulses, frequency variations and other hard to solve power problems not addressed by other UPS types
- Corrects line voltage conditions as low as 65V and as high as 138V back to selectable 110/120V (+/-

### Highlights

- 2200VA / 2.2kVA on-line, double-conversion, extended-run tower UPS
- Maintains sine-wave 110/120V +/-2% output during overvoltages to 138 and brownouts as low as 65V (50/60Hz auto-sensing)
- Simultaneous communications via HID compliant USB port, serial port, SNMP/Web card slot and EPO interface
- Fault tolerant auto-bypass mode, current monitoring and switched PDU control via 2 switchable output load banks
- Input: NEMA 5-20P (120V, optional 5-15P included) / Output: 6 NEMA 5-15/20R and 1 NEMA L5-20R (120V)
- \$250,000 Ultimate Lifetime Insurance (USA and Canada Only)

### Package Includes

- SU2200XLNAFTA UPS System
- PowerAlert Software and cabling
- Instruction manual with warranty information



2%) values

- Standard internal battery set offers 14 minutes runtime at half load (800W) and 4.5 minutes at full load (1600W)
- Optional BP48V60-3UNAFTA external battery packs offer expandable battery runtime
- Space saving upright tower format
- Fault tolerant auto-bypass maintains continuous utility output to connected equipment, even in cases where the UPS suffers internal failure and requires maintenance
- Network interfaces support simultaneous communications via built-in USB, DB9 serial 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 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, AC line frequency, timed inverter shutoff, activate self-test, load bank output power control and remote reboot, UPS nominal voltage adjustment and UPS line to battery power voltage setpoints
- Built-in Emergency Power Off (EPO) interface with cable
- NEMA 5-20P input plug (user-installable NEMA 5-15P replacement plug included)/NEMA 5-15/20R & NEMA L5-20R output receptacles
- Integrated 2 bank switched PDU enables remote outlet management for load shedding or remote reboot of individual load banks
- Front panel LEDs offer current monitoring 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
- \$250,000 Ultimate Lifetime Insuran

## Specifications

| OVERVIEW                      |              |
|-------------------------------|--------------|
| UPC Code                      | 037332137760 |
| OUTPUT                        |              |
| Output Volt Amp Capacity (VA) | 2200         |
| Output kVA Capacity (kVA)     | 2.2          |
| Output Watt Capacity (Watts)  | 1600         |
| Output kW Capacity (kW)       | 1.6          |





|   |   |
|---|---|
| Battery Recharge Rate (Included Batteries)                    | Less than 5 hours from 10% to 90%   |
| Internal UPS Replacement Battery Cartridge                    | <a href="http://www.tripplite.com/UPS-Replacement-48VDC-Battery-Cartridge-RBC48-SUTWR">RBC48-SUTWR</a>  |
| Battery Access  | Battery access door   |
| Battery Replacement Description                               | Hot-swappable, user replaceable batteries   |
| <b>VOLTAGE REGULATION</b>                                     |   |
| Voltage Regulation Description                                | Online, double-conversion power conditioning  |
| Overvoltage Correction  | 2% output voltage regulation during overvoltages to 138   |
| Undervoltage Correction                                       | 2% output voltage regulation during undervoltages to 80   |
| Severe Undervoltage Correction                                | 2% output voltage regulation during undervoltages to 65 (under 70% load only)   |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b>                  |   |
| 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 UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions   |
| LED Indicators  | 14 LEDs indicate line power, online mode, economy/bypass mode, on-battery, overload, battery low, replace battery and fault status information - includes 4-LED meter display for load and battery charge level |
| <b>SURGE / NOISE SUPPRESSION</b>                              |   |
| UPS AC Suppression Joule Rating                               | 570   |
| 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   |
| <b>PHYSICAL</b>   |   |
| Installation Form Factors Supported with Included Accessories | Tower   |
| Primary Form Factor   | Tower   |
| UPS Power Module Dimensions (hwd, in.)                        | 10.2 x 9 x 19.5   |
| UPS Power Module Dimensions (hwd, cm)                         | 25.91 x 22.86 x 49.53   |
| UPS Power Module Weight (lbs.)                                | 53.4  |
| UPS Power Module Weight (kg)                                  | 24.22   |
| Shipping Dimensions (hwd / in.)                               | 15.25 x 13.00 x 24.00   |
| Shipping Dimensions (hwd / cm)                                | 38.74 x 33.02 x 60.96   |
| Shipping Weight (lbs.)  | 58.60   |



|   |   |
|---|---|
| Shipping Weight (kg)  | 26.58   |
| Cooling Method  | Fan   |
| UPS Housing Material  | Steel   |
| Primary UPS Height (mm)                                     | 259   |
| Primary UPS Width (mm)                                      | 229   |
| Primary UPS Depth (mm)                                      | 495   |
| <b>ENVIRONMENTAL</b>  |   |
| 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)                               | 812.9   |
| AC Economy Mode BTU / Hr. (Full Load)                       | 347.2   |
| Battery Mode BTU / Hr. (Full Load)                          | 885.6   |
| AC Mode Efficiency Rating (100% Load)                       | 87%   |
| AC Economy Mode Efficiency Rating (100% Load)               | 94%   |
| Audible Noise   | < 45 dB at front side 1m  |
| <b>COMMUNICATIONS</b>                                       |   |
| Communications Interface                                    | DB9 Serial; Contact closure; EPO (emergency power off); Slot for SNMP/Web interface                                       |
| Network Monitoring Port Description                         | Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications |
| PowerAlert Software   | Included  |
| Communications Cable  | DB9 cabling included  |
| WatchDog Compatibility                                      | Supports Watchdog application, OS and hard-reboot restart options for remote applications                                 |
| <b>LINE / BATTERY TRANSFER</b>                              |   |
| Transfer Time   | No transfer time (0 ms.) in online, double-conversion mode  |
| Low Voltage Transfer to Battery Power (Setpoint)            | 80V (100% load), 65V (<70% load)  |
| High Voltage Transfer to Battery Power (Setpoint)           | 138   |
| <b>SPECIAL FEATURES</b>                                     |   |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported  |
| High Availability UPS Features                              | Automatic inverter bypass; Hot swappable batteries  |



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|--|---|
| Green Energy-Saving Features                               | High efficiency economy mode operation; Individually controllable load banks; Schedulable daily hours of economy mode operation   |
| <b>CERTIFICATIONS</b>                                      |   |
| 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) |
| <b>WARRANTY</b>  |   |
| Product Warranty Period (Worldwide)                        | 2-year limited warranty   |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000&nbsp;<a class="insuranceLink" href="//www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a>&nbsp;   |

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