

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 inlcuded); 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. HIDcompliant 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. Fieldreplaceable, 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 (+/-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

Highlights

- 2200VA / 2.2kVA on-line, double-conversion, extendedrun 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



- · 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	
INPUT		
-		
Rated input current (Maximum Load)	16A (120V), 17.6A (110V)	
Nominal Input Voltage(s) Supported	110V AC; 120V AC	
UPS Input Connection Type	5-20P	
UPS Input Connection Description	Includes user-installable 5-15P replacement plug	
Input Circuit Breakers	30A	
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	



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Battery Replacement Description Hot-swap	pable, user replaceable batteries
VOLTAGE REGULATION	
Voltage Regulation Description Online, de	
Overvoltage Correction 2% output	puble-conversion power conditioning
Undervoltage Correction 2% output	buble-conversion power conditioning t voltage regulation during overvoltages to 138
Severe Undervoltage Correction 2% output	



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 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	
SURGE / NOISE SUPPRESSION		
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	
PHYSICAL		
Primary Form Factor	Tower	
Cooling Method	Fan	
Installation Form Factors Supported with Included Accessories	Tower	
Primary UPS Depth (mm)	495	
Primary UPS Height (mm)	259	
Primary UPS Width (mm)	229	
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	
UPS Housing Material	Steel	
UPS Power Module Dimensions (hwd, cm)	25.91 x 22.86 x 49.53	
UPS Power Module Dimensions (hwd, in.)	10.2 x 9 x 19.5	
UPS Power Module Weight (kg)	24.22	
UPS Power Module Weight (lbs.)	53.4	
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)	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		
COMMUNICATIONS			
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		
Communications Interface	DB9 Serial; Contact closure; EPO (emergency power off); Slot for SNMP/Web interface		
LINE / BATTERY TRANSFER			
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		
FEATURES & SPECIFICATIONS			
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported		
High Availability UPS Features	Automatic inverter bypass; Hot swappable batteries		
Green Energy-Saving Features	High efficiency economy mode operation; Individually controllable load banks; Schedulable daily hours of economy mode operation		
WARRANTY & SUPPORT			
Product Warranty Period (Worldwide)	2-year limited warranty		
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance		







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