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## Model #: SU3000XLNAFTA

### SmartOnline Expandable Tower UPS System - NAFTA assembled version of SU3000XL



#### Highlights

- 3000VA / 3KVA 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 use 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 L5-30P (120V) / Output: 4 NEMA5-15R, 4 NEMA5-15/20R & 1 NEMA L5-30R
- 2 year product warranty / \$250,000 [Ultimate Lifetime Insurance](#) (USA & Canada only)

#### Description

3000VA on-line, double-conversion UPS system for critical server, network and telecommunications equipment. Upright tower form factor. Expandable battery runtime with optional BP72V28-3UNAF TA 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 L5-30P input plug; NEMA 5-15R, NEMA 5-15/20R and NEMA L5-30R 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. 2-year warranty and \$250,000 [connected equipment insurance](#); extended warranty and service contracts available

#### Package Includes

- SU3000XLNAFTA UPS System
- PowerAlert Software and Cabling
- Instruction manual with warranty information

#### 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 (1200W) and 5 minutes at full load (2400W)
- Optional BP72V28-3UNAFTA external battery packs offer expandable battery runtime
- Space saving upright tower format
- Fault tolerant electronic bypass maintains utility output during a variety of UPS fault conditions
- Network interfaces support simultaneous communications via built-in USB, DB9 serial/contact-closure 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 L5-30P input plug/NEMA 5-15/20R, L5-20R & L5-30R output receptacles
- Integrated 2 bank switched PDU enables remote outlet management for load shedding or remote reboot of individual load banks (each bank has four outlets)
- 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
- 2 year manufacturer's product warranty; \$250,000 [Ultimate Lifetime Insurance](#)

## Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	3000
Output kVA capacity (kVA)	3
Output Watt Capacity (watts)	2400
Output kW capacity	2.4
Output power factor	0.8
Crest Factor	3:1
Nominal Output Voltage(s) Supported	110V; 120V
Nominal Voltage details	120V default
Frequency compatibility	50 / 60 Hz
Frequency compatibility details	Output frequency matches input nominal on startup, defaults to 60 Hz on cold-start
Output voltage regulation (line mode)	+/- 2%
Output voltage regulation (Economy line mode)	+/- 10%
Output voltage regulation (Battery mode)	+/- 2%
Built-in UPS output receptacles	4 5-15R outlet(s); 4 5-15/20R outlet(s); 1 L5-30R outlet(s)
Built-in controllable switched load banks	Two switchable four-outlet load banks, (bank 1 - four 5-15/20R, bank 2 - four 5-15R outlets)

<b>Output circuit breaker</b>	15A branch rated (x2) - each breaker protects 4 outlets, L5-30R is unbreakered
<b>Basic PDU options</b>	<a href="#">PDU2430</a> (1U / 24 5-15R outlets)
<b>Metered PDU options</b>	<a href="#">PDUMV30</a> (0U / 24 5-15/20R outlets)
<b>Switched PDU options</b>	<a href="#">PDUMH30NET</a> (2U / 16 5-15/20R outlets); <a href="#">PDUMV30NET</a> (0U / 24 5-15/20R outlets)
<b>External PDU redundancy options</b>	*ATS switch options <a href="#">PDU MH20AT</a> & <a href="#">PDU MH20ATNET</a> support dual UPS and hot-swappable UPS configurations
<b>Output AC waveform (AC mode)</b>	Sine wave
<b>Output AC waveform (battery mode)</b>	Pure Sine wave
<b>INPUT</b>	
<b>Rated input current (at maximum load)</b>	24A (120V), 26.2A (110V)
<b>Nominal Input Voltage(s) Supported</b>	110V AC; 120V AC
<b>UPS input connection type</b>	L5-30P
<b>Input circuit breaker</b>	40A
<b>UPS Input cord length (ft.)</b>	10
<b>UPS Input cord length (m)</b>	3
<b>Recommended Electrical Service</b>	30A 120V
<b>BATTERY</b>	
<b>Full load runtime (minutes)</b>	6 min. (2400w)
<b>Half load runtime (minutes)</b>	17 min. (1200w)
<b>Expandable battery runtime</b>	Supports extended runtime with optional external battery packs
<b>External battery pack compatibility</b>	<a href="#">BP72V15-2U</a> (limit 1); <a href="#">BP72V28RT-3U</a> (multi-pack compatible); <a href="#">BP72V28-3UNAFTA</a> (multi-pack compatible)
<b>DC system voltage (VDC)</b>	72
<b>Battery recharge rate (included batteries)</b>	Less than 6 hours from 10% to 80%
<b>Replacement battery cartridge (internal UPS battery replacement)</b>	<a href="#">RBC96-3U</a> (quantity 1)
<b>Battery Access</b>	Front panel battery access door
<b>Battery replacement description</b>	Hot-swappable, user replaceable batteries
<b>VOLTAGE REGULATION</b>	
<b>Voltage regulation description</b>	Online, double-conversion power conditioning

<b>Overvoltage correction</b>	2% output voltage regulation during overvoltages to 138
<b>Undervoltage correction</b>	2% output voltage regulation during undervoltages to 80
<b>Severe undervoltage correction</b>	2% output voltage regulation during undervoltages to 65 (under 70% load only)
<b>LEDS ALARMS &amp; SWITCHES</b>	
<b>LED Indicators</b>	14 LEDs indicate line power, online mode, economy/bypass mode, on-battery, overload, battery low, replace battery and fault status information; 4-LED meter displays load and battery charge levels
<b>Alarms</b>	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
<b>Alarm cancel operation</b>	Power-fail alarm can be silenced using alarm-cancel switch
<b>Switches</b>	2 Switches control off/on power status and alarm-cancel/self-test operation
<b>SURGE / NOISE SUPPRESSION</b>	
<b>UPS AC suppression joule rating</b>	480
<b>UPS AC suppression response time</b>	Instantaneous
<b>UPS Dataline suppression</b>	1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet
<b>EMI / RFI AC noise suppression</b>	Yes
<b>PHYSICAL</b>	
<b>Installation form factors supported with included accessories</b>	Tower
<b>Primary form factor</b>	Tower
<b>UPS / Power Module dimensions in primary form factor (height x width x depth / inches)</b>	10.2 x 9 x 20.5
<b>UPS / Power Module dimensions in primary form factor (height x width x depth / cm)</b>	26 x 22.9 x 52.1
<b>UPS / Power Module weight (lbs)</b>	69.3
<b>UPS / Power Module weight (kg)</b>	31.5
<b>UPS Shipping dimensions (height x width x depth / inches)</b>	15.2 x 13 x 24
<b>UPS Shipping dimensions (height x width x depth / cm)</b>	38.7 x 33 x 61
<b>Shipping weight (lbs)</b>	75.2
<b>Shipping weight (kg)</b>	34.1
<b>UPS housing material</b>	Steel
<b>Cooling method</b>	Fan

<b>ENVIRONMENTAL</b>	
<b>Operating Temperature Range</b>	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
<b>Storage Temperature Range</b>	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
<b>Relative Humidity</b>	0 to 95%, non-condensing
<b>AC mode BTU / hr. (full load)</b>	1112.7
<b>AC economy mode BTU / hr. (full load)</b>	520.9
<b>Battery mode BTU / hr. (full load)</b>	1219.3
<b>AC economy mode efficiency rating (100% load)</b>	94%
<b>Audible Noise</b>	
<b>COMMUNICATIONS</b>	
<b>Communications interface</b>	USB (HID enabled); DB9 Serial; Contact closure; EPO (emergency power off); Slot for SNMP/Web interface
<b>Network monitoring port description</b>	Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications
<b>PowerAlert software</b>	Included
<b>Communications cable</b>	USB and DB9 cabling included
<b>WatchDog compatibility</b>	Supports Watchdog application, OS and hard-reboot restart options for remote applications
<b>LINE / BATTERY TRANSFER</b>	
<b>Transfer time</b>	No transfer time (0 ms.) in online, double-conversion mode
<b>Low voltage transfer to battery power (setpoint)</b>	175V (100% load), 80V (
<b>High voltage transfer to battery power (setpoint)</b>	138
<b>SPECIAL FEATURES</b>	
<b>Cold Start (startup in battery mode during a power failure)</b>	Cold-start operation supported
<b>High availability UPS features</b>	Automatic inverter bypass; Hot swappable batteries
<b>Green &amp; high efficiency features</b>	High efficiency economy mode operation; Individually controllable load banks; Schedulable daily hours of economy mode operation
<b>CERTIFICATIONS</b>	
<b>UPS Certifications</b>	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI)
<b>WARRANTY</b>	
<b>Product Warranty Period (U.S., Canada &amp; Puerto Rico)</b>	2-year limited warranty

Connected Equipment  
Insurance (U.S.,  
Canada & Puerto Rico)

\$250,000 Ultimate Lifetime Insurance

## Related Items

### Optional Products

Product Type	Related Model	Description	Qty.
External Battery Packs	<a href="#">BP72V15-2U</a>	BP72V15-2U - External Battery Pack for UPS System	-
External Battery Packs	<a href="#">BP72V28RT-3U</a>	BP72V28RT-3U - External Battery Pack for UPS System	-
Surge Protectors	<a href="#">DTEL2</a>	Network Surge Suppressor - Essential protection for data and communication lines	-
Surge Protectors	<a href="#">DNET1</a>	Network Surge Suppressor - Essential protection for data and communication lines	-
Shutdown Cable Kits	<a href="#">AS400CABLE KIT</a>	Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers	-
SNMP Accessories	<a href="#">SNMPWEBCARD</a>	For remote monitoring and control via SNMP, Web, or Telnet.	-
SNMP Accessories	<a href="#">ENVIROSENSE</a>	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	-
Audio Cables	<a href="#">CT120</a>	Instant-Read- AC Outlet Circuit Tester	-

More information, including related products, owner's manuals, and additional technical specifications, can be found online at [www.tripplite.com/en/products/model.cfm?txtModelID=3548](http://www.tripplite.com/en/products/model.cfm?txtModelID=3548).

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