

# SmartOnline Expandable Tower UPS System

On-line, double-conversion protection for mission critical applications



## Model #: SU3000XL

- ▶ 3000VA / 2400 watts on-line expandable tower UPS
- ▶ Enhanced serial communications port and SNMP/web card slot
- ▶ Maintains 120V +/-2% output during overvoltages to 138V and brownouts as low as 65V
- ▶ 2 load banks, 7 outlets
- ▶ Fault tolerant auto-bypass
- ▶ \$250,000 Ultimate Lifetime Insurance (USA & Canada only)

## DESCRIPTION

---

Tripp Lite's SmartOnline SU3000XL on-line, double conversion UPS protects critical server, networking or telecommunications equipment from blackouts, brownouts, voltage fluctuations and surges in an attractive all-black tower format. Large capacity 3kVA / 2400 watt UPS continuously converts incoming AC-to-DC, then back to perfect sine wave AC output at 120V AC (+/-2%). Removes harmonic distortion, fast electrical impulses, frequency fluctuations and other hard-to-solve power problems not addressed by other UPS systems. True sine wave output and zero transfer time offers guaranteed compatibility with all equipment types. Includes 7 UPS supported outlets with two individually switchable load banks that can be independently controlled via the UPS's software interface to selectively reboot remote equipment or automatically shed less critical loads to extend battery runtime for the most critical equipment. Battery support can be extended with the addition of multiple external battery packs (part# BP72V9). Includes slot for internal SNMP/web card, plus DB9 enhanced serial monitoring port for unattended shutdown, remote control and monitoring of UPS system and power data. Includes Tripp Lite's PowerAlert UPS Power Management Software. Compatible with Tripp Lite's WatchDog Service Monitoring/Rebooting Software.

## KEY BUYING POINTS

---

- True on-line, double conversion UPS provides pure, sine wave AC output
- Maintains continuous operation through blackouts, brownouts, voltage fluctuations and surges with zero transfer time
- Removes harmonic distortion, electrical impulses, frequency variations and other hard to solve power problems
- Accepts input voltages between 80 and 138 (65 to 138 at loads under 70%), regulating output to 120V AC +/-2%
- 3000VA / 2400 watt output capacity with 7 total outlets (6 NEMA 5-15/20R, 1 NEMA L5-30R)
- Two built-in individually switchable load banks can be controlled via the UPS's software interface to selectively reboot remote equipment or automatically shed less critical loads to extend battery runtime for the most critical equipment (2 banks of 3 outlets)
- Standard internal battery set provides 17 minutes runtime at half load
- Expandable runtime with multiple external battery packs (part# BP72V9)
- Attractive all-black upright tower format
- Fault tolerant auto-bypass maintains continuous utility output to connected equipment with no disruption in output AC, even in cases where the UPS is overloaded or experiences major component failure and requires service
- DB9 serial network interface supports RS-232 and contact closure messaging
- Slot for optional SNMP/web card (part# SNMPWEBCARD)
- Included PowerAlert UPS Power Management Software and cabling provide monitoring of in-depth site power conditions, full UPS status and fault warnings, output load level and load bank power control
- Compatible with Tripp Lite's WatchDog Service Monitoring/Rebooting Software (part# WATCHDOGSW)
- Diagnostic LEDs
- 2 year manufacturer's product warranty
- \$250,000 Ultimate Lifetime Insurance (USA & Canada only)

## TYPICAL APPLICATIONS

---

- Ideal for protection of critical 120V AC servers, networking equipment and sensitive electronics. Common applications include corporate or departmental servers, workstations, hubs, routers, bridges, CAD/CAM workstations, concentrators, IP telephony and traditional PBX switching systems.

## OPTIONS & ACCESSORIES

- External battery pack: [BP72V9](#)
- SNMP accessories: [SNMPWEBCARD](#), [ENVIROSENSE](#)
- Dataline protectors: [DNET1](#), [DTEL2](#), [DCATV](#)
- Circuit Tester: [CT120](#)
- Power distribution: [PDU1220](#), [PDU2430](#)
- Watchdog software: [WATCHDOGSW](#)
- Extended warranties: 3 Year [WEXT3-2200-3000](#), 5 Year [WEXT5-2200-3000](#)

## PACKAGE INCLUDES

- SU3000XL Online, Double-Conversion UPS System
- PowerAlert Software and cabling
- Instruction manual with warranty information

## COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW	
<b>System overview:</b>	On-line, double conversion tower UPS system continuously maintains near-perfect output power for critical internetworking and telecommunications equipment. Completely regenerates input power into perfectly regulated sine wave output free of harmonic distortion, fast electrical impulses and frequency fluctuations. Maintains output within 2% of 120V during brownouts as low as 65V and overvoltages to 138V. Supports enhanced monitoring of UPS and line power conditions via DB9 serial port, included PowerAlert UPS Power Management Software and complete cabling. Includes slot for SNMPWEBCARD and 2 individually controllable output load banks. Runtime is expandable with BP72V9 battery packs.
<b>Voltage compatibility:</b>	120V
<b>Frequency compatibility:</b>	50/60 Hz compatible
OUTPUT	
<b>Output volt amp capacity (VA):</b>	3000
<b>Output watt capacity (watts):</b>	2400
<b>Output nominal voltage:</b>	120V AC
<b>Output voltage regulation:</b>	Maintains full-time sine wave output within 2% of 120V, less than 5% total harmonic distortion
<b>Output frequency regulation:</b>	Regulates line frequency to 50/60Hz +/- 0.05Hz
<b>Outlet quantity / type:</b>	7 output receptacles (6 NEMA 5-15/20R & 1 L5-30 locking receptacle)
<b>Customized load management receptacles:</b>	2 individually controllable banks of 3 NEMA 5-15/20 outlets support automated load shedding and remote reboot on demand of locked network devices. Configurable via PowerAlert software to automatically switch off optional loads, like monitors, to increase available runtime for servers and other critical devices.
<b>Overload protection:</b>	Via 2 20A output breakers and 1 40A input breaker
INPUT	
<b>Maximum input amps:</b>	24.6A
<b>Input connection type:</b>	NEMA L5-30P input plug
<b>Input cord length:</b>	10 ft.
<b>Recommended electrical service:</b>	30A 120V
BATTERY	

<b>Full load runtime:</b>	6 min - internal batteries / 17 min with 1 BP72V9 battery pack (3000VA)
<b>Half load runtime:</b>	17 min - internal batteries / 39 min with 1 BP72V9 battery pack (1500VA)
<b>Expandable battery runtime:</b>	Supports extended runtime with optional external battery pack BP72V9 (multi-pack compatible)
<b>DC system voltage:</b>	72VDC
<b>Typical battery lifespan:</b>	3-6 years, depending on usage
<b>Battery recharge rate:</b>	4-6 hours to 90%
<b>VOLTAGE REGULATION</b>	
<b>Voltage regulation description:</b>	On-line, double-conversion power conditioning maintains output within 2% of 120 volts at all times
<b>Overvoltage correction:</b>	Maintains output of 120V +/-2% during overvoltages to 138VAC
<b>Brownout correction:</b>	Maintains output of 120V +/-2% during undervoltages to 80VAC
<b>Severe brownout correction:</b>	Maintains output of 120V +/-2% during undervoltages to 65VAC (during load conditions of 70% or less)
<b>LEDS ALARMS &amp; SWITCHES</b>	
<b>Front panel LEDs:</b>	14 STATUS LEDs offer LINE POWER, ONLINE, BYPASS, ON BATTERY, OVERLOAD, BATTERY LOW, REPLACE BATTERY and FAULT status information. Also includes 4 LED meters for LOAD LEVEL / BATTERY LEVEL display (Battery level readout requires pressing "test" key)
<b>Alarms:</b>	Multi-function audible alarm offers notification of UPS start, backup operation, low battery warning, overload, UPS fault and remote shutdown
<b>Switches:</b>	Includes main power off/on switch, plus 1 testing switch
<b>SURGE / NOISE SUPPRESSION</b>	
<b>AC surge suppression:</b>	2440 joules
<b>AC suppression response time:</b>	Instantaneous
<b>EMI / RFI AC noise suppression:</b>	Yes
<b>PHYSICAL</b>	
<b>Shipping weight (lbs):</b>	73
<b>Shipping weight (kg):</b>	33.1
<b>Unit weight (lbs):</b>	66
<b>Unit weight (kg):</b>	30.0
<b>Unit Dimensions (HWD/in):</b>	14.75 x 5.5 x 16.75
<b>Unit Dimensions (HWD/cm):</b>	37.5 x 14 x 42.6
<b>Shipping Dimensions (HWD/in):</b>	19.5 x 10 x 24
<b>Shipping Dimensions (HWD/cm):</b>	49.6 x 25.4 x 10.2
<b>Material of construction:</b>	Steel
<b>Form factors supported:</b>	Upright tower
<b>Cooling method:</b>	Fan
<b>ENVIRONMENTAL</b>	
<b>Operating Temperature:</b>	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
<b>Storage Temperature:</b>	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
<b>Relative Humidity:</b>	0 to 95%, non-condensing
<b>Line mode BTU/hr. (Max.):</b>	1328.4
<b>Battery mode BTU/hr. (Max.):</b>	1328.4
<b>COMMUNICATIONS</b>	

<b>Network monitoring port:</b>	Built-in DB9 port offers both enhanced RS-232 enable monitoring data, plus contact closure monitoring ability
<b>Software and cabling included:</b>	Yes, includes PowerAlert software CD-ROM and complete cabling
<b>SNMP compatibility:</b>	Yes, includes slot for optional SNMPWEBCARD accessory (#SNMPWEBCARD)
<b>WatchDog compatibility:</b>	Yes, compatible with Tripp Lite's WatchDog system monitoring/rebooting software to restore operation to locked equipment through soft reboot of applications / OS or hard power off/on reboot of connected equipment — ideal for unattended kiosk applications
<b>LINE / BATTERY TRANSFER</b>	
<b>Transfer time from line power to battery mode:</b>	ZERO — online UPS continuously converts incoming AC to DC, then back to AC. When commercial power is interrupted, UPS maintains continuous output from battery reserves with absolutely no disruption in output AC power.
<b>Low voltage transfer to battery power:</b>	Maintains continuous operation during undervoltages as low as 80V (65V during load conditions of 70% or less). Below the switchover point, output is supported from battery derived AC power.
<b>High voltage transfer to battery power:</b>	Maintains continuous operation without using battery power during overvoltages to 138V. Above this point, output is supported from battery derived AC power.
<b>CERTIFICATIONS</b>	
<b>Certifications:</b>	UL1778 (USA), cUL (Canada), FCC Class A (emissions), NOM (Mexico)
<b>WARRANTY</b>	
<b>Optional coverage:</b>	3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information.
<b>Product warranty:</b>	2 year product warranty
<b>Connected equipment insurance (USA and Canada Only):</b>	\$250,000 connected equipment insurance (USA and Canada only)
<b>SPECIAL FEATURES</b>	
<b>EPO port:</b>	Supports EPO (emergency power off) via 73-0901 cabling
<b>Cold Start:</b>	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
<b>Appearance:</b>	Attractive all-black tower housing

*The policy of Tripp Lite is one of continuous improvement.  
Specifications are subject to change without notice.  
Therefore, your product may vary slightly from what is currently listed.*



**Tripp Lite World Headquarters**  
1111 W. 35th Street  
Chicago, IL 60609 USA

**Customer Support**  
(773) 869-1234

© 2004 Tripp Lite. All Rights Reserved.