



**Tripp Lite**  
1111 West 35th Street  
Chicago, IL 60609 USA  
Telephone: +(773) 869 1234  
E-mail: [saleshelp@tripplite.com](mailto:saleshelp@tripplite.com)

## Model #: SU3000XL

**SmartOnline Expandable Tower UPS System - On-line, double-conversion protection for mission critical applications**



### Highlights

- 3000VA / 2400 watts on-line expandable tower UPS
- Enhanced serial communications port and SNMP/web card slot
- Maintains 120V +/-2% output during overvoltages to 150V and brownouts as low as 65V
- 2 load banks, 9 outlets
- Fault tolerant auto-bypass
- \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)

### Description

Tripp Lite's Smart Online SU3000XL online, 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 9 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 external battery pack models BP72V15-2U (limit 1) or BP72V28RT-3U (multi-pack compatible). Supports simultaneous communications via HID-compliant USB port, a 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. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Includes Tripp Lite's PowerAlert UPS Power Management Software. Compatible with Tripp Lite's WatchDog Service Monitoring/Rebooting Software. Includes EPO jack to connect to building emergency power off systems. Pair of RJ45 jacks offers protection for single line phone or Ethernet protection.

### Package Includes

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

### Features

- True online, 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 150 (65 to 150 at loads under 70%), regulating output to 120V AC +/-2%
- 3000VA/2400 watt output capacity with 9 total outlets (4 NEMA 5-15R, 4 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 4 outlets)
- Standard internal battery set provides 14 minutes runtime at half load, 5 minutes runtime at full load

- Expandable runtime with external battery packs BP72V15-2U (limit 1) or BP72V28RT-3U (multi-pack compatible)
- Attractive all-black upright tower format
- Fault tolerant auto-bypass maintains continuous utility output to connected equipment, even in cases where the UPS is overloaded or suffers an internal failure that requires service
- Simultaneous communications via HID-compliant USB port, RS-232 serial port, and SNMP/web card slot
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X.
- 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)
- EPO jack connects to building emergency power off systems.
- RJ-45 single line tel or Ethernet protection jacks
- Diagnostic LEDs
- 2 year manufacturer's product warranty
- \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)

## 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	120V
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)
Output circuit breaker	15A branch rated breaker (x2) protects 4 outlets each, L5-30R outlet is unbreakered
Basic PDU options	<a href="#">PDU2430</a> (1U / 24 5-15R outlets)
Metered PDU options	<a href="#">PDUMV30</a> (0U / 24 5-15/20R outlets)

Switched PDU options	<a href="#">PDUMH30NET</a> (2U / 16 5-15/20R outlets); <a href="#">PDUMV30NET</a> (0U / 24 5-15/20R outlets)
External PDU redundancy options	*ATS switch options <a href="#">PDUMH20AT</a> & <a href="#">PDUMH20ATNET</a> support dual UPS and hot-swappable UPS configurations
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Sine wave
<b>INPUT</b>	
Rated input current (at maximum load)	24A (120V)
Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	L5-30P
Input circuit breaker	40A
UPS Input cord length (ft.)	10
UPS Input cord length (m)	3
Recommended Electrical Service	30A 120V
<b>BATTERY</b>	
Full load runtime (minutes)	5 min. (2400w)
Half load runtime (minutes)	14 min. (1200w)
Expandable battery runtime	Extended runtime supported via optional external battery packs
External battery pack compatibility	<a href="#">BP72V15-2U</a> (limit 1); <a href="#">BP72V28RT-3U</a> (multi-pack compatible)
DC system voltage (VDC)	72
Battery recharge rate (included batteries)	Less than 6 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	<a href="#">RBC96-3U</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 150
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>LEDS ALARMS &amp; SWITCHES</b>	
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
Alarms	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch
Switches	2 switches control off/on power status and alarm-cancel/self-test operation
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC suppression joule rating	570
UPS AC suppression response time	Instantaneous
UPS Dataline suppression	1 line TEL / DSL or 10Base T Ethernet protection
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 in primary form factor (height x width x depth / inches)	10.2 x 9 x 20.5
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	26 x 22.9 x 52.1
UPS / Power Module weight (lbs)	69.3
UPS / Power Module weight (kg)	31.5
UPS Shipping dimensions (height x width x depth / inches)	15.2 x 13 x 24
UPS Shipping dimensions (height x width x depth / cm)	38.7 x 33 x 61
Shipping weight (lbs)	75.2
Shipping weight (kg)	34.1
UPS housing material	Steel
Cooling method	Fan
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	+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>	< 45 dB at front side 1m
<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>	80V (100% load), 65V (
<b>High voltage transfer to battery power (setpoint)</b>	150
<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); Meets FCC Part 68 / Industrie Canada (telecommunications); ROHS (Reduction of Hazardous Substances)
<b>WARRANTY</b>	
<b>Product Warranty Period (U.S., Canada &amp; Puerto Rico)</b>	2 years
<b>Connected Equipment Insurance (U.S., Canada &amp; Puerto Rico)</b>	\$250,000 connected equipment insurance

## Related Items

### Optional Products

Product Type	Related Model	Description	Qty.
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.)	-
UPS Accessories	<a href="#">MODBUSCARD</a>	For remote monitoring and control via MODBUS protocol	-
Shutdown Cable Kits	<a href="#">AS400CABLE KIT</a>	Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers	-
Power Distribution	<a href="#">PDU1220</a>	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
Power Distribution	<a href="#">PDU2430</a>	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
Software	<a href="#">WATCHDOGSW</a>	WatchDog Service Monitoring / Reboot Software	-
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	-
Extended Warranties	<a href="#">WEXT3-2200-3000</a>	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA	-
Extended Warranties	<a href="#">WEXT5-2200-3000</a>	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA or less	-

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=3601](http://www.tripplite.com/en/products/model.cfm?txtModelID=3601).

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