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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 138V 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 multiple external battery packs (part# BP72V18). Support 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.

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.

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 138 (65 to 138 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 multiple external battery packs (part# BP72V18)

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

SYSTEM OVERVIEW	
Voltage compatibility	120V AC
Frequency compatibility	50/60 Hz compatible
OUTPUT	
Output VA	3000
Output watts	2400
Output nominal voltage	120V AC
Output voltage regulation	Maintains full-time sine wave output within 2% of 120V, less than 5% total harmonic distortion
Output frequency regulation	Regulates line frequency to 50/60Hz +/- 0.05Hz
Outlet quantity / type	4 NEMA 5-15R, 4 NEMA 5-15/20R, 1 NEMA L5-30R
Customized load management receptacles	"2 individually controllable banks of 4 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. "
Overload protection	Via 2 15A output breakers and 1 40A input breaker
INPUT	
Maximum input amps	24A (120V)
Input connection type	NEMA L5-30P
Input cord length	10 ft.
Recommended electrical service	30A 120V
BATTERY	
Full load runtime	5 minutes (3000VA)
Half load runtime	14 minutes (1500VA)

Expandable battery runtime	Supports extended runtime with optional external battery pack BP72V18 (multi-pack compatible)
DC system voltage	72VDC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	4-6 hours to 90%
VOLTAGE REGULATION	
Voltage regulation description	On-line, double-conversion power conditioning maintains output within 2% of 120 volts at all times
Overvoltage correction	Maintains output of 120V +/-2% during overvoltages to 138VAC
Brownout correction	Maintains output of 120V +/-2% during undervoltages to 80VAC
Severe brownout correction	Maintains output of 120V +/-2% during undervoltages to 65VAC (during load conditions of 70% or less)
LEDS ALARMS & SWITCHES	
Front panel LEDs	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)
Alarms	Multi-function audible alarm offers notification of UPS start, backup operation, low battery warning, overload, UPS fault and remote shutdown
Switches	Includes main power off/on switch, plus 1 testing switch
SURGE / NOISE SUPPRESSION	
AC surge suppression	570 joules
AC suppression response time	Instantaneous
Dataline suppression	Set of 8 wire RJ-style interface jacks provides surge suppression for network Ethernet or tel/DSL connection. Pins 1,2,3 and 6 offer Ethernet protection starting at 7.5V and the center two wires, pins 4 & 5, offer tel/DSL line suppression starting at 260V
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	75.2
Shipping weight (kg)	33.8
Shipping Dimensions (HWD/in)	15.25 x 13 x 24
Shipping Dimensions (HWD/cm)	38.7x 33 x 61
Unit weight (lbs)	69.3
Unit weight (kg)	31.2
Unit Dimensions (HWD/in)	10.25 x 9 x 20.5
Unit Dimensions (HWD/cm)	26 x 22.9 x 52.1
Material of construction	Steel

Form factors supported	Tower
Cooling method	Fan
Battery Access	Via front battery access panel for hot-swappable internal battery replacement
ENVIRONMENTAL	
Operating Temperature	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
Line mode BTU/hr. (Max.)	1117
Battery mode BTU/hr. (Max.)	1224
COMMUNICATIONS	
Network monitoring port	Built-in HID-compliant USB port and DB9 port (enhanced RS-232 plus contact closure monitoring)
Software and cabling included	Yes, includes PowerAlert software CD-ROM and complete cabling
SNMP compatibility	Yes, includes slot for optional SNMPWEBCARD accessory (#SNMPWEBCARD)
WatchDog compatibility	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 applica
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	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.
Low voltage transfer to battery power	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.
High voltage transfer to battery power	Maintains continuous operation without using battery power during overvoltages to 138V. Above this point, output is supported from battery derived AC power.
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA (Canada), Class A (emissions), NOM (Mexico), RoHS Complaint
WARRANTY	
Product warranty	2 year product warranty
Connected equipment insurance (USA and Canada Only)	\$250,000 connected equipment insurance (USA, Canada, and Puerto Rico only)
Optional coverage	3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information.
SPECIAL FEATURES	
EPO port	Supports EPO (emergency power off) via 73-0901 cabling
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive all-black tower housing
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional)	BP72V18

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/products/model.cfm?txtModelID=3601.

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