![Tripp-Lite Power Protection logo]

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

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 (models: BP72V15-2U or BP72V28RT-3U). 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 (models: BP72V15-2U or BP72V28RT-3U)

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

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 packs BP72V15-2U or BP72V28RT-3U
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.

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

CERTIFICATIONS

Certifications	Tested to UL1778 (USA), CSA (Canada), Class A (emissions), NOM (Mexico), RoHS Complaint

WARRANTY

Product warranty	2 year product warranty
Optional coverage	3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information.

Related Items

Extended Warranties

WEXT3-2200-3000	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA	Qty: [optional]
WEXT5-2200-3000	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA or less	Qty: [optional]

External Battery Packs

BP72V15-2U	BP72V15-2U - External Battery Pack for UPS System	Qty: [optional]
BP72V28RT-3U	BP72V28RT-3U - External Battery Pack for UPS System	Qty: [optional]

Power Distribution

PDU1220	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]
PDU2430	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]

Shutdown Cable Kits

AS400CABLE KIT	Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers	Qty: [optional]

SNMP Accessories

ENVIROSENSE	Power Management Tools - Environmental Sensor	Qty: [optional]
SNMPWEBCARD	Power Management Tools - Internal SNMP/Web Card	Qty: [optional]

Software

WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	Qty: [optional]

Surge Protectors

DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]

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