![Tripp-Lite Power Protection logo]

Model #: SU1500XL

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

Highlights

1500VA/1200W on-line expandable tower UPS system

HID-compliant USB port, serial port and SNMP/web card slot

Maintains 120V +/-2% output during overvoltages to 138V and brownouts as low as 65V

6 AC outlets arranged in 2 load banks

Fault tolerant auto-bypass

Description

Tripp Lite's SmartOnline SU1500XL on-line, double conversion UPS protects critical server, networking or telecommunications equipment from blackouts, brownouts, voltage fluctuations and surges. Large-capacity 1.5kVA/1200W 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 provides guaranteed compatibility with all equipment types. Includes 6 UPS-supported outlets. 2 load banks, each with 3 outlets, can be independently controlled via a software interface to selectively reboot remote equipment or automatically shed less critical loads to extend battery runtime for the most critical equipment. Battery backup time can be extended with the addition of multiple external battery packs. 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. 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. Attractive all-black upright tower format.

Applications

Ideal for protection of mission-critical 120V 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

SU1500XL UPS System
PowerAlert Software
USB, DB9 and EPO cabling
Owner's manual with warranty information

Features

True on-line, double conversion UPS provides constant, 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 80V and 138V (65V to 138V at loads under 70%), regulating output to 120V AC +/-2%

1500VA/1200W output capacity with 6 NEMA 5-15R outlets

Two built-in, individually switchable load banks, each with 3 outlets, can be controlled via software interface to selectively reboot remote equipment or automatically shed less critical loads to extend battery runtime for the most critical equipment

Standard internal battery set provides 14 min. runtime at half load and 4.5 min. at full load

Runtime is expandable with BP48V24-2U (limit 1) or BP48V60RT3U (multi-pack compatible) external battery packs

Attractive all-black upright tower format

Simultaneous communications via HID-compliant USB port, DB9 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 provides 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)

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

Diagnostic LEDs

Built-in RJ-11 EPO (Emergency Power Off) jack allows connection to site emergency power off systems

2-year warranty

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V (110V, 100V)
Frequency compatibility	50/60 Hz compatible
OUTPUT	
Output VA	1500
Output watts	1200
Output nominal voltage	120V factory default (110, 100V)
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	6 x NEMA 5-15R
Customized load management receptacles	2 individually controlled banks, each with 3 outlets, support automated load shedding and remote reboot on demand of locked network devices. Configurable via PowerAlert Software to automatically switch off optional loads to increase available runtime for servers and other critical devices.
Overload protection	20A breaker
INPUT	
Maximum input amps	12A (120V) / 14A (110V) / 15.4A (100V)
Input connection type	NEMA 5-15P
Input cord length	10 ft.
Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime	4.5 min.
Half load runtime	14 min.
Expandable battery runtime	Runtime is expandable with BP48V24-2U (limit 1) or BP48V60RT3U (multi-pack compatible) external battery packs

DC system voltage	48 VDC
Typical battery lifespan	4-6 years typical
Battery recharge rate	4-6 hours to 90%
Replacement Battery Cartridge	RBC48-SUTWR

VOLTAGE REGULATION

Voltage regulation description	On-line, double-conversion power conditioning maintains output within 2% of 100/110/120 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 combination main power on/test and main power off switch

SURGE / NOISE SUPPRESSION

AC surge suppression	570 joules
AC suppression response time	Instantaneous
Dataline suppression	RJ45 single-line tel/Ethernet
EMI / RFI AC noise suppression	Yes

PHYSICAL

Shipping weight (lbs)	56
Shipping weight (kg)	25.2
Shipping Dimensions (HWD/in)	15.25 x 13 x 24
Shipping Dimensions (HWD/cm)	38.7 x 33 x 61
Unit weight (lbs)	49.3
Unit weight (kg)	22.2
Unit Dimensions (HWD/in)	10.25 x 9 x 19.5
Unit Dimensions (HWD/cm)	26 x 23 x 49.5
Material of construction	Steel
Form factors supported	Tower
Cooling method	Dual fans

Battery Access	Supports battery access and hot-swap replacement without powering off connected equipment
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
COMMUNICATIONS	
Network monitoring port	USB and DB9 serial ports. Built-in DB9 port offers both enhanced RS-232 enabled monitoring data, plus contact closure monitoring ability. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
Software and cabling included	PowerAlert Software CD-ROM and complete cabling
SNMP compatibility	Slot for optional SNMPWEBCARD accessory (part # SNMPWEBCARD)
WatchDog compatibility	Compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of applications/OS or hard power off/on reboot of connected equipmentideal for unattended kiosk applications
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	Zeroâ"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	Built-in RJ-11 EPO jack with included cabling
Cold Start	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)	BP48V24-2U (limit 1) or BP48V60RT3U (multi-pack compatible)
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA (Canada), RoHS-compliant, Class A (Emissions), NOM (Mexico), FCC Part 68/Industry Canada
WARRANTY	
Product warranty	2 years
Optional coverage	3-5 year extended warranty coverage, plus next-day and on-site warranty coverage for select opportunities. For more information, contact Tripp Lite

Related Items

Extended Warranties		
WEXT3-500-1500	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]
WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	Qty: [optional]

External Battery Packs	

BP48V24-2U	BP48V242U - External Battery Pack for UPS System	Qty: [optional]
BP48V60RT-3U	External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector	Qty: [optional]

Power Distribution		
PS7224	Tripp Lite Power Strip - Multiple outlets wherever you need them	Qty: [optional]
PDU1215	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]

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]

.