Smart Online Expandable Tower UPS

Online, double-conversion protection for mission-critical applications

Model #: SU2200XL

- 2200VA online expandable tower UPS
- Enhanced serial communications port and SNMP/web card slot
- Maintains 120V +/- 2% output during overvoltages to 140V and brownouts as low as 65V
- 2 load banks, 7 total outlets
- Fault tolerant auto-bypass
- $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

DESCRIPTION

Tripp Lite's Smart Online SU2200XL on-line, double conversion UPS protects critical server, networking or telecommunications equipment from blackouts, voltage fluctuations and surges in an attractive all-black upright tower format. Large capacity 2.2kVA / 1600 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 types. 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 software interface to selectively reboot remote equipment, or 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 or BP72V28RT-3U). 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. Compatible with Tripp Lite's WatchDog Service Monitoring/Rebooting Software.

KEY BUYING POINTS

- True on-line, double conversion UPS provides constant, pure sine wave AC output
- Maintains continuous operation through blackouts, 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 85 and 140 (65 to 140 at loads under 70%), regulating output to 120V +/-2%
- 2200VA / 1600 watt output capacity with 7 total outlets (6 NEMA5-15/20R, 1 NEMAL5-20R)
- Two built-in individually switchable load banks can be controlled via software interface to selectively reboot remote equipment or shed less critical loads to extend battery runtime for the most critical equipment (2 banks of 3 outlets)
- Standard internal battery set provides 18 minutes runtime at half load
- Expandable runtime with multiple external battery packs (part# BP72V9 or BP72V28RT-3U)
- Attractive all-black upright tower format
- DB9 serial network interface supports RS-232 and contact closure messaging
- Slot for optional SNMP/web card (part# SNMPWEBCARD)
- Included PowerAlert 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 System Service Monitoring/Rebooting Software (part# WATCHDOGSW)
- Diagnostic LEDs indicate status and condition
- Fault tolerant auto-bypass maintians continuous utility output to connected equipment, even in cases where the UPS is overloaded or suffers an internal failure that requires service
- $250,000 Ultimate Lifetime connected equipment insurance (USA & Canada only)
- 2 year manufacturers product warranty

TYPICAL APPLICATIONS

- Ideal for protection of critical servers, internetworking equipment and other other sensitive electronic loads. 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, BP72V28RT-3U
- SNMP accessories: SNMPWEBCARD, ENVIROSENSE
- AS400/iSeries Shutdown Cable Kit: AS400 CABLE KIT
- Dataline protectors: DNET1, DTEL2, DCATV
- Circuit Tester: CT120
- Power distribution: PDU1220, PS7224-20
- Extended warranties: 3 Year WEXT3-2200-3000, 5 Year WEXT5-2200-3000

PACKAGE INCLUDES

- SU2200XL Online Double-Conversion UPS System
- PowerAlert Software and cabling
- Instruction manual with warranty information

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW

System overview:	Online, double conversion tower UPS
Voltage compatibility:	120V AC
Frequency compatibility:	50/60 Hz +/-5%

OUTPUT

Output volt amp capacity (VA):	2200
Output watt capacity (watts):	1600
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:	6 NEMA 5-15/20R, 1 NEMA L5-20R
Customized load management receptacles:	2 individually controllable banks of 3 NEMA 5-15/20 outlets support load shedding and remote reboot on demand of locked network devices. Controllable via PowerAlert software to switch off optional loads, like monitors, to increase available runtime for servers and other critical devices.
Overload protection:	Via two 15A output breakers and one 40A input breaker

INPUT

Maximum input amps:	16.7A
Input connection type:	NEMA 5-20P (NEMA 5-15P also included)
Input cord length:	10 ft.
Recommended electrical service:	20A 120V

BATTERY

Full load runtime:	6 min - internal batteries / 30 min with 1 BP72V9 battery pack (2200VA)
Half load runtime:	18 min - internal batteries / 70 min with 1 BP72V9 battery pack (1100VA)
Expandable battery runtime:	Supports extended runtime with optional external battery pack BP72V9 (multi-pack compatible)

DC system voltage:	72VDC
Typical battery lifespan:	3-6 years, depending on usage
Battery recharge rate:	4-6 hours to 90%
Replacement Battery Cartridge:	Sealed, maintenance free

VOLTAGE REGULATION

Voltage regulation description:	On-line, double-Mantains output of 120V +/- 2% over an input range of 85 to 140 V (adjustable using Power Alert Software).

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 switch to select battery charge / load level display

SURGE / NOISE SUPPRESSION

AC surge suppression:	764 joules
AC suppression response time:	Instantaneous
EMI / RFI AC noise suppression:	Yes

PHYSICAL

Shipping weight (lbs):	73
Shipping weight (kg):	33.1
Unit weight (lbs):	66
Unit weight (kg):	30.0
Unit Dimensions (HWD/in):	14.75 x 5.5 x 16.75
Unit Dimensions (HWD/cm):	37.5 x 14 x 42.6
Shipping Dimensions (HWD/in):	19.5 x 10 x 24
Shipping Dimensions (HWD/cm):	49.6 x 25.4 x 10.2
Material of construction:	Steel
Form factors supported:	Tower
Cooling method:	Fan

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.):	1224 btu
Battery mode BTU/hr. (Max.):	1333 btu

COMMUNICATIONS

Network monitoring port:	Built-in DB9 port offers both enhanced RS-232 enable monitoring data, plus contact closure monitoring ability
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 service 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

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 85V (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 140V. Above this point, output is supported from battery derived AC power.

CERTIFICATIONS

Certifications: Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), FCC Class A (emissions), NOM (Mexico), RoHS Complaint

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.

Product warranty: 2 year product warranty

Connected equipment insurance (USA and Canada Only): $250,000 connected equipment insurance (USA and Canada only)

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): BP72V9 or BP72V28RT-3U

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.

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