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Model #: SU3000RTXL3UHV

SmartOnline Expandable Rack / Tower UPS System - Online, double-conversion protection for mission critical applications

Highlights



- 3000VA online 3U expandable rack / tower UPS
- Enhanced serial communications port and SNMP/Web card slot
- Maintains output within 2% of selectable 200/208/220/230/240V nominal during overvoltages to 275 and brownouts as low as 130V
- 8 outlets (6-15/20, L6-20)
- Fault tolerant auto-bypass
- \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)

Description

Tripp Lite's high voltage Smart Online SU3000RTXL3UHV on-line, double conversion UPS protects critical server, networking or telecommunications equipment from blackouts, voltage fluctuations and surges. Multi-use form factor occupies only 3 rack spaces (3U) in standard 19 inch rackmount configuration and includes tower stands to support upright placement. Large capacity 3kVA/2400 watt UPS continuously converts incoming AC to DC, then back to perfect sine wave AC output at selectable 200/208/220/230/240V AC (+/-2%) output. 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 high-voltage equipment types. Includes 6 outlets arranged in two individually switchable load banks plus 2 L6-20 outlets. These outlet banks can be independently controlled via software interface to selectively reboot remote equipment, or shed less critical loads to extend battery runtime for more critical equipment. Battery support can be extended indefinitely through the addition of external 2U or 3U rackmount battery packs (part# BP72V15-2U limit 1/BP72V28-3U multi-pack compatible). 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/Reboot Software.

Applications

Ideal for protection of critical high-voltage equipment in server rooms, internetworking closets and telecommunications systems in rackmount or tower applications. Common applications include corporate or departmental servers, workstations, hubs, routers, bridges, CAD/CAM workstations, concentrators, IP telephony and traditional PBX switching systems.

Package Includes

- SU3000RTXL3UHV Rack-Tower UPS System
- PowerAlert Software and cabling
- Mounting hardware for 4 post rackmount enclosures/tower stands included
- Warranty information
- Instruction manual

Features

- True on-line, double conversion UPS provides pure, sine wave AC output at all times
- 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 160 and 275 (130 to 275 at loads under 70%), regulating output to selectable 200/208/220/230/240V +/-2%
 3000VA/2400 watt power capacity with 8 total outlets (6 NEMA6-15/20R & 2 NEMAL6-20R)
 Standard internal battery set provides 14 minutes runtime at half load
 Expandable runtime with multiple external battery packs (part# BP72V15-2U limit 1/BP72V28-3U multi-pack compatible)
 Innovative design makes unit adaptable for rackmount, tower, or stacking applications
 Uses only 3 rack spaces (3U) in standard 19 inch rack
 DB9 serial port for network interface; SNMP compatible
 Slot for optional SNMP/web card (part# SNMPWEBCARD)
 PowerAlert unattended shutdown software and 6 ft. network cable included
 Compatible with Tripp Lite's Watchdog Service Monitoring/Reboot Software
 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
 Battery replacement door
 Mounting hardware included for 4 post rack enclosures, 2 post telecom rack compatible with separate purchase 2POSTRMKITWM accessory
 \$250,000 Ultimate Lifetime [connected equipment insurance](#)
 2 year manufacturer's product warranty

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	208V AC
Frequency compatibility	50/60 Hz compatible
OUTPUT	
Output VA	3000
Output watts	2400
Output nominal voltage	208V AC (200/220/230/240V)
Output voltage regulation	Maintains full-time sine wave output within 2% of selected nominal voltage, less than 5% total harmonic distortion
Output frequency regulation	Regulates line frequency to 50/60Hz +/- 0.05Hz
Outlet quantity / type	6 NEMA 6-15/20R, 2 NEMA L6-20R
Customized load management receptacles	2 individually controllable load banks 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. (Bank A consists of 4 outlets / Bank B consists of 2 outlets)
Overload protection	Via 25A input breaker
INPUT	
Maximum input amps	14.9 / 14.3 / 13.1 / 12.6 / 12.1 Amps (depending on voltage) / 2844 watts
Input connection type	NEMA L6-20P
Input cord length	10 ft. 14 gauge
Recommended electrical service	15A 200-240V
BATTERY	
Full load runtime	Internal batteries — 5 min. (3000VA)
Half load runtime	Internal batteries — 14 min. (1500VA)
Expandable battery runtime	Supports extended runtime with optional external battery pack BP72V15-2U (limit 1), BP72V28-3U (multi-pack compatible)
DC system voltage	72 V DC

Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	2-4 hours to 90%
VOLTAGE REGULATION	
Voltage regulation description	On-line, double-conversion power conditioning maintains output within 2% of 200/208/220/230/240 volts at all times
Overvoltage correction	Maintains output during overvoltages to 275V AC
Brownout correction	Maintains output during undervoltages to 160V AC
Severe brownout correction	At load levels less than 70%, UPS maintains output during undervoltages to 130V AC
LEDS ALARMS & SWITCHES	
Front panel LEDs	6 LED STATUS DISPLAY: line power (green), online (green), bypass (yellow), on battery (green), overload (red), battery low (yellow) 4 LED LOAD / BATTERY LEVEL DISPLAY (100%, 75%, 50%, 25%)
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	2670 joules
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	90.3
Shipping weight (kg)	41.0
Shipping Dimensions (HWD/in)	13.3 x 23.8 x 25.7
Shipping Dimensions (HWD/cm)	33.8 x 60.5 x 65.3
Unit weight (lbs)	74.9
Unit weight (kg)	34.0
Unit Dimensions (HWD/in)	5.2 x 17.3 x 19.8
Unit Dimensions (HWD/cm)	13.3 x 44.5 x 50.3
Material of construction	Steel
Form factors supported	Rack (3U)
Cooling method	Built-in cooling fan
Battery Access	User replaceable, hot swap battery replacement supported via front access panel
ENVIRONMENTAL	
Operating Temperature	+32 to +104 degrees Fahrenheit

Storage Temperature	+5 to +122 degrees Fahrenheit
Relative Humidity	0 to 95%, non-condensing
Line mode BTU/hr. (Max.)	1117 btu/hr. (88% efficiency line mode)
Battery mode BTU/hr. (Max.)	1224 btu/hr. (87% efficiency battery mode)
COMMUNICATIONS	
Network monitoring port	One built-in DB9 port offers both enhanced RS-232 enabled monitoring data, plus contact closure basic monitoring capability
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 Monitoring/Rebooting Service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment
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 160V (130V at load levels under 70%). Below this 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 275V. Above this point, output is supported from battery derived AC power.
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), cUL (Canada), FCC Class A (emissions), NOM (Mexico)
WARRANTY	
Product warranty	2 year product warranty
Connected equipment insurance (USA and Canada Only)	\$250,000 connected equipment insurance (USA and Canada 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 "Emergency Power Off" via special-order cabling, contact Tripp Lite for more information
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive black steel rackmount housing
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional)	BP72V15-2U (limit 1), BP72V28-3U (multi-pack compatible)

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/products/model.cfm?txtModelID=2568.