



Tripp Lite
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Smart Online Expandable Rack / Tower UPS System - On-line, double-conversion protection for mission-critical applications

MODEL NUMBER: **SU6000RT3UXR**

Description

Tripp Lite 6kVA 120V Smart Online RM UPS - 6000VA. The SU6000RT3UXR on-line, double conversion UPS protects server, networking or telecommunications equipment from blackouts, voltage fluctuations and surges in a tower/rackmount housing. In rack configuration, power module, step-down transformer and two battery packs occupy 3 rack spaces each (12U total). Upright tower placement for up to 9U supported with included tower stands. Large capacity 6000VA/4200 watt power module converts raw input AC to DC, then back to perfect sine wave AC output within 2% of user-selectable 200/208/220/230/240V and 100/120V AC output voltages. Frequency regulation locks output power to 50/60Hz (+/-0.2 Hz), removing harmonic distortion, fast electrical impulses and other hard-to-solve power problems not addressed by other UPS types. Perfectly regulated, continuous sine wave output with zero transfer time offers compatibility with all equipment types. Hardwire input and output connections support a variety of permanent or PDU style power connections. Battery support can be extended indefinitely through the addition of external 3U rackmount battery packs (part# BP240V10RT3U). Includes slot for internal SNMP/web card, plus 2 DB9 enhanced serial monitoring ports (1-RS232/1-contact closure) for unattended shutdown, remote control and monitoring of UPS system and power data.

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
- 6000VA/4200 watt power capacity with hardwire input/output connections
- Accepts input voltages between 156 and 276, regulating output within 2% of selectable 200/208/220/230/240V and 100/120V AC output
- Included 3U battery pack provides 79 minutes runtime at half load (3000VA) and 37 minutes at full load (6000VA)
- Expandable runtime with multiple external battery packs (part# BP240V10RT3U or BP240V32)
- Innovative design makes unit adaptable for rackmount or upright tower placement (included stands support up to 9U in upright tower configuration - purchase additional 2-9USTAND accessory for full system tower support)
- Power module, transformer module and battery pack require only 3 rack spaces each (12U total rack space usage)
- DB9 serial port for network interface; SNMP compatible
- Slot for optional SNMP/web card SNMP/Web card for accessory slot (SNMPWEBCARD)
- Includes PowerAlert UPS monitoring and unattended shutdown software and 6 ft. network cable included
- 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
- Manual bypass switch on the transformer module allows users to disconnect, remove, and replace the power module while maintaining continuous utility power to connected equipment

Highlights

- 6000VA on-line 12U rack / tower UPS (3U power module + 3U step-down transformer + two 3U battery packs)
- Enhanced serial communications ports, SNMP/web card slot and EPO jack
- Maintains 200, 208, 220, 230 or 240V and simultaneous 100, 120V output +/-2% during brownouts to 156 and overvoltages to 276V
- Fault tolerant manual and auto bypass modes
- Expandable runtime with optional BP240V10RT3U battery packs (includes two)
- \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)

Applications

- Ideal for protection of critical 200/208/220/230/240V and 120V 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

- SU6000RT3U Rack-Tower UPS System with 2 3U battery packs
- PowerAlert Software and cabling
- Mounting hardware for 4 post rackmount enclosures
- Warranty information
- Instruction manual



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- Diagnostic LEDs
- Mounting hardware included with each 3U module for 4 post rackmount installation, 2 post telecom rack compatible with separate purchase 2POSTRMKIT accessory (4 required)
- Included tower stands support up to 9U in upright vertical form factor (order additional 2-9USTAND accessory for full 12U tower support)
- Includes RJ11 EPO (emergency power off) port and interconnection cable
- \$250,000 Ultimate Lifetime [connected equipment insurance](#) (USA & Canada Only)
- 2 year manufacturer's product warranty

Specifications

OUTPUT	
Frequency compatibility	50 / 60 Hz
Output VA	6000
Output watts	4200
Output nominal voltage	208V & 120V AC (200/208/220/230/240 & 100/120V)
Output voltage regulation	Maintains pure sine wave output at all times, regulated within 2% of selected nominal output voltage, less than 5% total harmonic distortion
Output frequency regulation	Regulates line frequency to 50/60Hz +/- 0.05Hz
Overload protection	Resettable 40A circuit breaker
Outlet quantity / type	Hardwire
INPUT	
Maximum Input Amps (A)	30
Maximum Input Watts	4700
Input connection type	Hardwire
Voltage compatibility (VAC)	200; 208; 220; 230; 240
BATTERY	
Expandable battery runtime	Supports extended runtime with optional external battery pack BP240V10RT3U or BP240V32 (multi-pack compatible)
DC system voltage (VDC)	240
Battery Access	User replaceable, hot swappable external battery pack
Full load runtime	Included batteries = 37 min (6000VA)
Half load runtime	Included batteries = 79 min (3000VA)
Typical battery lifespan	3-6 years, depending on usage
Battery charge	2-4 hours to 90%
VOLTAGE REGULATION	



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Voltage regulation description	On-line, double-conversion process give this UPS the ability to maintain output voltage within +/-2% of selected nominal voltage at all times
Overvoltage correction	Maintains continuous operation without using battery power during overvoltages to 276VAC, reducing output within 2% of selected nominal
Brownout correction	Maintains continuous operation without using battery power during brownout / undervoltage conditions to 156VAC, increasing output within 2% of selected nominal
LEDS ALARMS & SWITCHES	
Alarms	Multi-function audible alarm offers notification of UPS start, backup operation, low battery, overload, UPS fault, inverter fault, DC bus fault, overtemperature, remote shutdown, shutdown imminent and shutdown complete
Switches	Includes main power off/on switch, plus 2 switches to set and execute scrollable LCD functions
Front panel LEDs	6 LED DISPLAY: line power, bypass, inverter, charger, output AC and battery operation. SELECTABLE LCD DISPLAY: input/output voltage, Hz, battery voltage and charge level and detailed warnings regarding all major UPS functions
SURGE / NOISE SUPPRESSION	
EMI / RFI AC noise suppression	Yes
AC suppression response time	Instantaneous
PHYSICAL	
Shipping Dimensions (HWD/in)	38.5 x 23.75 x 29.5
Shipping Dimensions (HWD/cm)	97.8 x 60.3 x 74.9
Shipping weight (lbs)	470.4
Shipping weight (kg)	213.6
Unit Dimensions (HWD/in)	Power Module 5.14 x 17.5 x 22.5, Step-down Transformer 5.14 x 17.5 x 26, Battery Pack 5.25 x 17.5 x 23.5 (Step-down transformer max depth is 24 inches when compatible SUPDM backplate is used)
Unit Dimensions (HWD/cm)	Power Module 13.1 x 44.5 x 57.2, Step-down Transformer 13.1 x 44.5 x 66, Battery Pack 13.1 x 44.5 x 57.2
Unit weight (lbs)	Power Module: 41.8 lbs., Battery Pack: 126.9 lbs. (each), Step-down Transformer: 90 lbs.
Unit weight (kg)	Power Module: 18kg, Battery Pack: 57.6kg (each), Step-down Transformer: 41kg
Cooling method	Built-in cooling fan
Material of construction	Steel
Form factors supported	Rack/Tower (12U)
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Line mode BTU/hr. (Max.)	2324.7
Battery mode BTU/hr. (Max.)	2324.7
COMMUNICATIONS	
Network monitoring port	Includes 2 built-in DB9 monitoring ports (1-RS232 / 1-contact closure)



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EPO port	Includes RJ11 EPO (emergency power off) port and interconnection cable
SNMP compatibility	Built-in accessory slot accommodates internal SNMP / Web card and other network accessories
Software and cabling included	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Cabling included.
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 line 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 156VAC. Below this point, output is maintained utilizing battery reserves.
High voltage transfer to battery power	Maintains continuous operation during overvoltages to 276VAC. Above this point, output is maintained utilizing battery reserves.
SPECIAL FEATURES	
Appearance	Attractive black steel rackmount housing
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), cUL (Canada), FCC Class A (emissions), NOM (Mexico)
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty
Optional Coverage	3 year, 5 year, next day and on-site warranty coverage available for select opportunities - contact Tripp Lite
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance

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