

SmartOnline Expandable Rack / Tower UPS System

On-line, double-conversion protection for mission-critical applications



Model #: SU6000RT3UXR

- ▶ 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 & Canada only)

DESCRIPTION

Tripp Lite's 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 6000 VA / 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.

KEY BUYING POINTS

- 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) (two included with SU6000RT3UXR)
- 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 with no disruption in output AC, even in cases where the UPS is overloaded or experiences major component failure and requires service
- 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

TYPICAL 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.

OPTIONS & ACCESSORIES

- SNMP accessories: [SNMPWEBCARD](#), [ENVIROSENSE](#)
- External battery pack: [BP240V10RT3U](#)
- Tower Stands: [2-9USTAND](#)
- Dataline protectors: [DNET1](#), [DTEL2](#), [DCATV](#)
- Power Distribution Unit: [PDU6K](#)
- Input line cord [SU30ACORD](#) enables plug in connection to L6-30 208V 30A wall socket for UPS systems supporting hardwire input
- Two Post Rackmount Kit: [2POSTRMKIT](#) (4 required)
- Extended warranties: 3 Year [WEXT3-SU6000XR](#), 5 Year [WEXT5-SU6000XR](#)
- Corded backplate outlet kit: [SUPDM12](#), [SUPDM13](#), [SUPDM15](#), [SUPDM16](#)

PACKAGE INCLUDES

- SU6000RT3U Rack-Tower UPS System with 2 BP240V10RT3U battery pack
- PowerAlert Software and cabling
- Mounting hardware for 4 post rackmount enclosures
- Warranty information
- Instruction manual

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW	
System overview:	On-line, double-conversion rack / tower UPS system continuously maintains near-perfect output power for critical internetworking and telecommunications equipment. This specially priced bundle, shipping with 2 external battery packs, uses 12 rack spaces (12U) in EIA standard rackmount configuration, with full support for upright tower and stacking applications. Completely regenerates input power into perfectly regulated sine wave output free of harmonic distortion, fast electrical impulses and frequency fluctuations. Simultaneously compatible with North American 208/240 and 120V applications. Maintains output within 2% of nominal during brownouts to 156 and overvoltages to 276V. Supports enhanced monitoring of UPS and line power conditions via DB9 serial port, included PowerAlert monitoring software and complete cabling. Includes slot for SNMPWEBCARD. Hardwire input / output connections supported. Runtime is expandable with BP240V10RT3U battery packs.
Voltage compatibility:	Supports continuous high/low voltage output of 200, 208, 220, 230, 240 and 100, 120VAC over an input voltage range of 156-276VAC
Frequency compatibility:	50/60Hz
OUTPUT	
Output volt amp capacity (VA):	6000
Output watt capacity (watts):	4200
Output nominal voltage:	"200, 208, 220, 230 or 240 and 100, 120V dual high / low voltage output (user selectable)
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
Outlet quantity / type:	Hardwire

Overload protection:	Resettable 40A circuit breaker
INPUT	
Maximum input amps:	30A / 4700 watts max.
Input connection type:	Hardwire
BATTERY	
Full load runtime:	Included batteries = 37 min (6000VA) / Add 1 more BP240V10RT3U = 58 min.
Half load runtime:	Included batteries = 79 min (3000VA) / Add 1 more BP240V10RT3U = 131 min.
Expandable battery runtime:	Supports extended runtime with optional external battery pack BP240V10RT3U (multi-pack compatible)
DC system voltage:	240 VDC
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 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	
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
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
SURGE / NOISE SUPPRESSION	
AC surge suppression:	Conforms to IEEE 587 / ANSI C62.41 specifications
AC suppression response time:	Instantaneous
EMI / RFI AC noise suppression:	Yes
PHYSICAL	
Shipping weight (lbs):	470.4
Shipping weight (kg):	213.6
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
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
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
Shipping Dimensions (HWD/in):	38.5 x 23.75 x 29.5
Shipping Dimensions (HWD/cm):	97.8 x 60.3 x 74.9
Material of construction:	Steel
Form factors supported:	Supports 12U rackmount installation in 4 port rack enclosures. 2 post rackmount installation supported with optional 2POSTRMKIT accessory (4 required). Upright tower installation for

	up to 3 3U system components supported with included tower stands (order 1 additional 2-9USTAND accessory for full tower support)
Cooling method:	Built-in cooling fan
Battery Access:	User replaceable, hot swappable external battery pack
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.):	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)
Software and cabling included:	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Cabling included.
SNMP compatibility:	Built-in accessory slot accommodates internal SNMP / Web card and other network accessories
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.
CERTIFICATIONS	
Certifications:	UL1778 (USA), cUL (Canada), FCC Class A (emissions), NOM (Mexico)
WARRANTY	
Optional coverage:	3 year, 5 year, next day and on-site warranty coverage available for select opportunities - contact Tripp Lite
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:	Includes RJ11 EPO (emergency power off) port and interconnection cable
Cold Start:	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance:	Attractive black steel rackmount housing

*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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