

SmartOnline Expandable Rack / Tower UPS System

Online, double-conversion protection for mission critical applications



Model #: SU10KRT3UHV

- ▶ 10,000VA / 10kVA online 6U rack / tower UPS (3U Power Module + 3U Battery Pack)
- ▶ Enhanced serial communications ports, SNMP/Web card slot and EPO jack
- ▶ Maintains 200, 208, 220, 230 or 240V output +/-2% during brownouts to 156 and overvoltages to 276V
- ▶ Fault tolerant manual and auto bypass modes
- ▶ Expandable runtime with optional BP240V10RT3U battery packs
- ▶ \$250,000 Ultimate Lifetime Insurance (USA & Canada only)

DESCRIPTION

Tripp Lite's SmartOnline SU10KRT3UHV on-line, double conversion UPS protects server, networking or telecommunications equipment from blackouts, voltage fluctuations and surges in a compact tower/rackmount housing. In rack configuration, power module and battery pack occupy only 3 rack spaces each (6U total). Upright tower placement of entire system supported with included tower stands. Large capacity 10,000VA / 7000 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 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 guaranteed 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 DB9 enhanced serial monitoring port 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
- World-wide compatibility with Euro 50Hz and High Voltage North American 60Hz power
- 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
- 10,000VA / 7000 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 AC output
- Standard included 3U battery pack provides 20 minutes runtime at half load (5000VA) and 8 minutes at full load (10,000VA)
- Expandable runtime with multiple external battery packs (part# BP240V10RT3U)
- Innovative design makes unit adaptable for rackmount, tower, or stacking applications
- Power module and battery pack require only 3 rack spaces each (6U total rack space usage)
- 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
- 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
- Includes RJ11 EPO (emergency power off) port and interconnection cable
- 2 year manufacturers product warranty
- \$250,000 Ultimate Lifetime connected equipment insurance

TYPICAL APPLICATIONS

- Ideal for protection of critical 200/208/220/230/240V 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](#)
- Power Distribution Unit: [PDU6K](#)
- Two Post Rackmount Kit: [2POSTRMKIT](#) (3 required)
- Extended warranties: 3 Year [WEXT3-SU10KHV](#), 5 Year [WEXT5-SU10KHV](#)

PACKAGE INCLUDES

- SU10KRT3UHV Rack-Tower UPS System with 1 BP240V10RT3U Battery pack
- PowerAlert Software and cabling
- Mounting hardware for 4 post rack enclosures / tower stands
- Warranty information
- Instruction manual

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW	
System overview:	Online, double conversion rack / tower UPS system continuously maintains near-perfect output power for critical internetworking and telecommunications equipment. Uses only 6 rack spaces (6U) 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. Compatible with worldwide 200, 208, 220, 230 and 240V applications at 50/60Hz. Maintains output within 2% of user selected 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 BP240V7RT3U battery packs.
Voltage compatibility:	Supports continuous 200, 208, 220, 230, 240V AC output over an input range of 156-276V AC
Frequency compatibility:	50/60Hz
OUTPUT	
Output volt amp capacity (VA):	10000
Output watt capacity (watts):	7000
Output nominal voltage:	200, 208, 220, 230 or 240V
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 63A circuit breaker
INPUT	
Maximum input amps:	50A / 8240 watts max.
Input connection type:	Hardwire
Recommended electrical service:	50A 208V
BATTERY	

Full load runtime:	Included batteries — 8 min (10,000VA) Add 1 BP240V10RT3U — 19 min.
Half load runtime:	Included batteries — 20 min (5,000VA) Add 1 BP240V10RT3U — 45 min.
Expandable battery runtime:	Supports extended runtime with optional external battery pack BP240V10RT3U (multi-pack compatible)
DC system voltage:	240 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 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 276V AC, reducing output within 2% of selected nominal
Brownout correction:	Maintains continuous operation without using battery power during brownout / undervoltage conditions to 156V AC, 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):	228
Shipping weight (kg):	103.5
Unit weight (lbs):	Power Module 53.5 lbs., Battery Pack: 136.5 lbs.
Unit weight (kg):	Power Module: 24kg, Battery Pack: 61kg
Unit Dimensions (HWD/in):	Power Module 5.14 x 17.5 x 22.5, Battery Pack 5.16 x 17.5 x 22.5
Unit Dimensions (HWD/cm):	Power Module 13.1 x 44.5 x 57.2, Battery Pack 13.1 x 44.5 x 57.2
Material of construction:	Steel
Form factors supported:	Supports 6U rackmount installation in 4 post rack enclosures. 2 post rackmount installation supported with optional 2POSTRMKIT (2 required). Upright tower installation supported with included tower stands
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
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 276V AC. 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 dedicated EPO (emergency power off) interface and cabling
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):	BP240V10RT3U (optional)

*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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