

SmartOnline Expandable Rack / Tower UPS System

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



Model #: SU10KRT3UHV

- ▶ 10,000VA (10kVA) / 8,000W on-line 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 auto bypass mode
- ▶ Expandable runtime with optional BP240V10RT3U battery packs
- ▶ \$250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)



Enterprise Assistance

E-mail us your critical extended run application requirements for large kVA and extended run UPS Systems and we will research the ideal solution and provide a custom configuration.

[Contact a Tripp Lite Product Specialist](#)

DESCRIPTION

Tripp Lite 10,000VA (10kVA) SmartOnline Rack/Tower UPS. The 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/8000W 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 through the addition of optional external battery packs, sold separately (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 / 8,000W 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 10 minutes runtime at half load (5,000VA) and 4 minutes at full load (10,000VA)
- Expandable runtime with multiple external battery packs, sold separately (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, even in cases where the UPS is overloaded or suffers an internal failure that requires service
- Diagnostic LEDs and LCD provide complete overview of operating conditions, UPS status and more
- 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](#)
- AS400/iSeries Shutdown Cable Kit: [AS400 CABLE KIT](#)
- Two Post Rackmount Kit: [2POSTRMKITWM](#) (2 required)
- Extended warranty: 3 Year [WEXT3-SU10KHV](#)
- Start-up service plus on-site warranties: 2 Year [WOS2-10K](#), 3-Year [WOS3-10K](#)
- Start-up service only: [WSTRTUP-6-10K](#)

PACKAGE INCLUDES

- SU10KRT3UHV Rack-Tower UPS System with hardwire distribution module and 1 BP240V10RT3U battery pack
- PowerAlert Software and cabling
- Mounting hardware for 4 post rack enclosures / tower stands
- Instruction manual with warranty information

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW

System overview:	On-line, double conversion rack / tower UPS
Voltage compatibility:	208V AC (200/208/220/230/240V)
Frequency compatibility:	50/60Hz

OUTPUT

Output volt amp capacity (VA):	10000
Output watt capacity (watts):	8000
Output nominal voltage:	208V AC (200/220/230/240V)
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 via detachable distribution module

INPUT

Maximum input amps:	46.7A (200V), 44.9A (208V), 42.4A (220V), 40.6A (230V), 38.9A (240V) max.
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Input connection type: Hardwire via detachable distribution module

BATTERY

Full load runtime: Included batteries — 4 min (10,000VA)
Add 1 BP240V10RT3U (optional) — 13 min.

Half load runtime: Included batteries — 10 min (5,000VA)
Add 1 BP240V10RT3U (optional) — 33 min.

Expandable battery runtime: Supports extended runtime with optional external battery packs BP240V10RT3U (multi-pack compatible)

DC system voltage: 240V DC

Typical battery lifespan: 3-6 years, depending on usage

Battery recharge rate: Less than 8 hours to 90% (included battery set only)

VOLTAGE REGULATION

Voltage regulation description: On-line, double-conversion process allows this UPS 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

PHYSICAL

Shipping weight (lbs): 327.56

Shipping weight (kg): 147.4

Unit weight (lbs): Power Module 54.8 lbs. (59.8 lbs w/SUPDM710HW); Battery Pack: 158.73 lbs.

Unit weight (kg): Power Module: 24.66kg (26.91kg w/SUPDM710HW), Battery Pack: 71.43kg

Unit Dimensions (HWD/in): Power Module 5.14 x 17.5 x 25 (30.25 in. depth w/SUPDM710HW), Battery Pack 5.16 x 17.5 x 2

Unit Dimensions (HWD/cm): Power Module 13.1 x 44.5 x 63.5 (76.8 in. depth w/SUPDM710HW); Battery Pack 13.1 x 44.5 x 63.5

Material of construction: Steel

Form factors supported: Rack (6U)

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
WatchDog compatibility:	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / 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 transfer time: on-line 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 156V AC. 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:	Tested to UL1778 (USA), Tested to CSA (Canada), FCC Class A (emissions), NOM (Mexico)
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WARRANTY

Product warranty:	2 year product warranty
Connected equipment insurance (USA and Canada Only):	\$250,000 connected equipment insurance (USA, Puerto Rico, and Canada only)
Optional coverage:	3 year, 5 year, next day and on-site warranty coverage available for select opportunities - contact Tripp Lite

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)
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*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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