

Smart Online Expandable Rack / Tower UPS System

Online, double-conversion protection for mission critical applications



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Compatible

Esoc Systems
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the world

Model #: SU10000RT3U

- ▶ 10,000VA / 10kVA online 6U rack / tower UPS with expandable runtime (3U Power Module + 3U Battery Pack)
- ▶ Manual Bypass Switch and detachable PDU enables hot-swap UPS replacement without powering off connected loads
- ▶ 200, 208, 230 or 240V selectable input/output voltage
- ▶ 2% output voltage regulation over an input voltage range of 156 to 276
- ▶ Enhanced serial communications ports, SNMP/Web Card Slot and EPO interfaces
- ▶ \$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

10,000VA (10kVA) on-line, double-conversion UPS system for critical server, network and telecommunications equipment. Installs in only 6 rack spaces (3U power module and 3U battery pack); maximum installed rack depth of 32.5 in. Expandable battery runtime with optional BP240V10RT3U and BP240V32 external battery packs. Full-time sine wave 200, 208, 220, 230, or 240V +/-2% output. Uninterruptible Power Supply (UPS) actively converts raw incoming AC power to DC, then re-converts output back to completely regulated, filtered AC output. Operates continuously without using battery power during brownouts to 156V and overvoltages to 276V. Standard 3-wire 208V hardwire input connection; NEMA L6-30R and L6-20R output receptacles. Detachable input-output PDU module with manual bypass switch enables hot-swap UPS replacement without disrupting power to connected equipment. Network-grade AC surge and noise suppression. Zero transfer time between AC and battery operation. Network management interfaces support communications via RS-232, contact-closure port and optional SNMPWEBCARD slot. Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via network interfaces. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. Front panel LEDs offer at-a-glance confirmation of line power status, battery power status, AC-to-DC conversion, DC-to-AC conversion, bypass mode and output power status. LED/LCD display panel easily rotates for better viewing in rackmount or tower configurations. Detailed LCD panel with scroll buttons offer detailed diagnostic test information at startup and during self tests, plus real-time data on input and output voltage, frequency (Hz), load percentage and battery charge level. Audible alarm. Self-test. Fault-tolerant auto-bypass mode. 4-post rackmount accessories and 2-9U STAND tower kit included. 2-POSTRMTKITWM 2-post rackmount hardware accessories available. Field replaceable, hot-swappable power module and external battery packs. Attractive all-black color scheme. 2-year warranty and \$250,000 connected equipment insurance; extended warranty and service contracts available.

KEY BUYING POINTS

- 10,000VA (10kVA) on-line, double-conversion UPS system (High voltage input / High voltage output)
- Detachable input-output PDU module with manual bypass switch enables hot-swap UPS replacement without powering off connected equipment
- Installs in only 6 rack spaces (3U power module / 3U battery pack) with a maximum installed depth of 32.5 inches
- Offers 6 minutes runtime at full load (10,000VA / 8000 watts) and 12 minutes at half load (5000VA / 4000 watts). Runtime is expandable with any number of optional BP240V10RT3U external battery packs
- Full time sine wave 200, 208, 220, 230, or 240V +/-2% output (user selectable)
- Uninterruptible Power Supply (UPS) actively converts raw incoming AC power to DC, then re-converts output back to completely regulated, filtered AC output

- Operates continuously without using battery power during brownouts to 156V and overvoltages to 276V
- Standard 3-wire 208V hardwire input connection
- Two NEMA L6-30R and Two L6-20R output receptacles
- Detailed LCD panel with scroll buttons offers detailed diagnostic test information on startup and during self tests, plus real-time data on input and output voltage, frequency (Hz), load percentage, battery charge level and more
- Network-grade AC surge and noise suppression
- Zero transfer time between AC and battery operation
- Includes slot for internal SNMP/web card, plus DB9 enhanced serial monitoring port, and contact closure port for unattended shutdown, remote control and monitoring of UPS system and power data
- Supports detailed monitoring of equipment load levels, self-test data and mains power conditions via network interfaces. Includes PowerAlert monitoring software and complete cabling
- Emergency Power Off (EPO) interface
- Front panel LEDs offer at-a-glance confirmation of line power status, battery power status, AC-to-DC & DC-to-AC conversion, bypass mode and output power status.
- Fault-tolerant auto-bypass mode prevents loss of output during UPS fault conditions or excessive UPS loading
- 4 post rackmount and upright tower installation accessories included. 2POSTRMKITWM two post rackmount hardware accessories available
- Field replaceable, hot swappable power module and external battery packs
- Attractive all-black UPS design
- Two year warranty with \$250,000 connected equipment insurance
- Extended warranty and service contracts available

TYPICAL APPLICATIONS

- Ideal for protection of sensitive electronics in any application calling for upright tower or 19 inch rackmount UPS protection. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems

OPTIONS & ACCESSORIES

- SNMP accessories: [SNMPWEBCARD](#), [ENVIROSENSE](#)
- External battery pack: [BP240V10RT3U](#), [BP240V32](#)
- AS400/iSeries Shutdown Cable Kit: [AS400 CABLE KIT](#)
- Two Post Rackmount Kit: [2POSTRMKITWM](#) (qty 1 required for each 3U module)
- Hardwire input/Output PDU: [SUPDM710HW](#)
- Extended warranties: 3 Year [WEXT3-SU10K](#), 5 Year [WEXT5-SU10K](#)
- Start-up service plus on-site warranties: 2 Year [WOS2-10K](#), 3-Year [WOS3-10K](#), 5 Year [WOS5-10K](#)
- Start-up service only: [WSTRTUP-6-10K](#)

PACKAGE INCLUDES

- 3U power module with detachable hot-swap PDU input/output panel and bypass switch
- 3U external battery pack
- Two sets of 4 post rackmount rails (one for each of the 3U components)
- One set of tower stands for upright tower configuration
- PowerAlert software, complete data cabling, user manual with warranty information

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW

System overview:	10kVA online, double-conversion UPS with high voltage input and output, expandable battery runtime and hot
Voltage compatibility:	208V AC (200/208/220/230/240V)
Frequency compatibility:	50/60 Hz

OUTPUT

Output volt amp capacity (VA):	10000
Output watt capacity (watts):	8000
Output nominal voltage:	208V AC (200/208/220/230/240V)
Output voltage regulation:	Maintains pure sine wave output at all times, regulated within 2% of selected nominal output voltage, less than 3% total harmonic distortion when used with computer loads
Output frequency regulation:	Regulates line frequency to 50/60Hz +/- 0.05Hz
Outlet quantity / type:	4 NEMA L6-20R, 2 NEMA L6-30R

INPUT

Maximum input amps:	200v - 46.7A / 208v - 44.9A / 220v - 42.4A / 230v - 40.6A / 240v - 38.9A
Input connection type:	Hardwire

BATTERY

Full load runtime:	6 minutes (10,000VA / 8000w)
Half load runtime:	12 minutes (5000VA / 4000w)
DC system voltage:	240VDC
Typical battery lifespan:	4-6 years
Battery recharge rate:	2-8 hours to 90%
Connects to UPS via:	Included 3 wire DC cable

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, regulating output within 2% of selected nominal
Brownout correction:	Maintains continuous operation without using battery power during brownout / undervoltage conditions to 156V AC, regulating 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. LED/LCD display panel easily rotates for better viewing in rackmount or tower configurations.
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 suppression response time:	Instantaneous
EMI / RFI AC noise suppression:	Yes

PHYSICAL

Shipping weight (lbs):	331
Shipping weight (kg):	150.3
Unit weight (lbs):	Power Module 55 lbs., Battery Pack: 136.5 lbs.
Unit weight (kg):	Power Module 25 kg., Battery Pack: 62 kg
Unit Dimensions (HWD/in):	Power Module 5.14 x 17.5 x 25, Battery Pack 5.16 x 17.5 x 25 (Installed depth of power module extends to 32.5 inches once detachable PDU backplate is installed)
Unit Dimensions (HWD/cm):	Power Module 13.3 x 44.4 x 63.5, Battery Pack 13.4 x 40.6 x 63.5 (Installed depth of power module extends to 82.6 cm once detachable PDU backplate is installed)

Shipping Dimensions (HWD/in):	39.75 x 31.5 x 23
Shipping Dimensions (HWD/cm):	101 x 80 x 58.4
Material of construction:	Steel
Form factors supported:	Rack/Tower (6U)
Cooling method:	Fan
Battery Access:	User replaceable, hot swappable external battery pack

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.):	3022 btu/hr.
Battery mode BTU/hr. (Max.):	3022 btu/hr.

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, 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:	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), CE (European Union), NOM (Mexico), Class A (Emissions)
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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, BP240V32
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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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