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Model #: SU10000RT3UG

SmartOnline Expandable Rack/Tower UPS System - Online, double-conversion protection for mission critical applications

Highlights



- Global 10,000VA/10kVA on-line 6U rack/tower UPS with expandable runtime (3U Power Module + 3U Battery Pack)
- Zero transfer time, on-line, double-conversion and economy-mode operation supported
- Detachable PDU with manual bypass switch enables hot-swap UPS replacement without powering off connected loads
- 200, 208, 230 or 240V selectable input/output voltage, with hardwire input and six individually breakered C19 outlets
- 2% output voltage regulation over an input voltage range of 156 to 296
- Simultaneous-use RS232 and contact closure monitoring ports, SNMP/Web Card Slot and EPO interfaces
- \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)

Description

Global 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. Worldwide shipping version with 6 C19 outlets. Maximum installed rack depth of 32.5 inches. Expandable battery runtime with optional BP240V10RT3U external battery packs. Full-time sine wave 200, 208, 220, 230, or 240V +/-2% output. Actively converts raw incoming AC power to DC, then re-converts output back to completely regulated, filtered AC output. Operates continuously without consuming battery power during brownouts to 156V and overvoltages to 276V. Highly efficient operation in optional economy mode setting, saving BTU heat output and energy costs. Standard 3-wire 208V hardwire input connection; 6 individually breakered C19 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 provide 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 rotates for better viewing in rackmount or tower configurations. Detailed LCD panel with scroll buttons provides 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 2-9USTAND tower kit included; 2POSTRMKITWM 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.

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
- Global C19 outlet configuration allows a single UPS model to be specified for worldwide use.

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

Features

- Global 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 in.
- Offers 4 min. runtime at full load (10,000VA/8000W) and 10 min. at half load (5000VA/4000W). 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)
- Actively converts raw incoming AC power to DC, then re-converts output 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
- 6 individually breakered C19 outlets
- Detailed LCD panel with scroll buttons provides 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
- 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 mains power conditions via network interfaces. Includes PowerAlert monitoring software and complete cabling
- Emergency Power Off (EPO) interface
- Front panel LEDs provide 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 2-post rackmount hardware accessories available
- Field-replaceable, hot-swappable power module and external battery packs
- Attractive all-black color scheme
- 2-year warranty; \$250,000 [connected equipment insurance](#)
- Extended warranty and service contracts available

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	208V AC (200/208/220/230/240V)
OUTPUT	
Output Volt Amp Capacity (VA)	10000
Output Watt Capacity (watts)	8000
Nominal Output Voltage(s) Supported	200v; 208v; 220v; 230v; 240v
Frequency compatibility	50 / 60 Hz
Frequency compatibility details	Output frequency matches input nominal on startup
Output voltage regulation (line mode)	+/- 2%
Built-in UPS output receptacles	6 C19 outlet(s)

Output circuit breaker	20A (x6) - each breaker protects 1 C19 outlet
INPUT	
Rated input current (at maximum load)	46.7A (200V), 44.9 (208V), 42.4 (220V), 40.6 (230V), 38.9 (240V)
Nominal Input Voltage(s) Supported	200V AC; 208V AC; 220V AC; 230V AC; 240V AC
UPS input connection type	Hardwire
BATTERY	
Full load runtime (minutes)	4 min. (8000w)
Half load runtime (minutes)	10 min. (4000w)
Expandable battery runtime	Runtime is expandable with optional BP240V10RT3U external battery packs
External battery pack compatibility	BP240V10RT3U; BP240V557C-1PH; BP240V787C-1PH; BP240V1037C-1PH; BP240V1407C-1PH
DC system voltage	240VDC
Battery recharge rate (included batteries)	Less than 8 hours from 10% to 90%
Battery Access	User replaceable, hot swappable external battery pack
Connects to UPS via	Included 3-wire DC cable
Typical battery lifespan	4-6 years
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
Undervoltage correction	2% output voltage regulation during undervoltages to 156
LEDS ALARMS & SWITCHES	
LED Indicators	6 LEDs indicate line power, online mode, economy/bypass mode, on-battery, charger and AC output status; LCD screen offers additional information and control options
Front panel LCD display	Selectable LCD display with scroll and selection buttons enables UPS control and detailed monitoring options; LED/LCD panel rotates for viewing in rack/tower formats (see manual)
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	
EMI / RFI AC noise suppression	Yes
AC suppression response time	Instantaneous
PHYSICAL	

Installation form factors supported with included accessories	4 post 19 inch rackmount (mounting rail kit included); Tower
Installation form factors supported with optional accessories	2 post rackmount (2POSTRMKITWM)
Primary form factor	Rackmount
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	5.1 x 17.5 x 32.5
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	13.1 x 44.4 x 82.6
Installed whole system total rack space height (rack spaces)	6U
UPS / Power Module weight (lbs)	57.2
UPS / Power Module weight (kg)	26
UPS Shipping dimensions (height x width x depth / inches)	42 x 33.5 x 23
UPS Shipping dimensions (height x width x depth / cm)	106.7 x 85.1 x 58.4
Shipping weight (lbs)	336
Shipping weight (kg)	152.5
UPS housing material	Steel
Cooling method	Fan
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
AC mode BTU / hr. (full load)	2690.1
Battery mode BTU / hr. (full load)	3022.2
COMMUNICATIONS	
Communications interface	DB9 Serial; Contact closure; EPO (emergency power off); Slot for SNMP/Web interface
WatchDog compatibility	
EPO port	Includes dedicated EPO (emergency power off) interface and cabling

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	No transfer time (0 ms.) in online, double-conversion mode
Low voltage transfer to battery power (setpoint)	156
High voltage transfer to battery power (setpoint)	276
SPECIAL FEATURES	
Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
Appearance	Attractive all-black color scheme
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA (Canada), CE (European Union), NOM (Mexico), Class A (Emissions), ROHS Compliant
WARRANTY	
Product Warranty Period (U.S., Canada & Puerto Rico)	2 year product warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 (USA, Puerto Rico & Canada only)
Optional Coverage	3-year, 5-year, next-day and on-site warranty coverage available for select opportunities - contact Tripp Lite for more information

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
Tower Stands	2-9USTAND	Tower Stand - Expandable Tower Base Stand UPS Accessory - buy 1 for each 9U worth of rack equipment to be placed in a tower configuration	-
Rackmount/Wallmount Kits	2POSTRMKITWM	Two Post Rackmount / Wallmount Kit - buy 1 for each power module and battery pack	-
Shutdown Cable Kits	AS400CABLE KIT	Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers	-
External Battery Packs	BP240V1037C-1PH	External battery pack for use with select Tripp Lite UPS Systems	-
External Battery Packs	BP240V10RT3U	BP240V10RT3U - External Battery Pack for UPS System	-
External Battery Packs	BP240V1407C-1PH	External battery pack for use with select Tripp Lite UPS Systems	-
External Battery Packs	BP240V557C-1PH	External battery pack for use with select Tripp Lite UPS Systems	-
External Battery Packs	BP240V787C-1PH	External battery pack for use with select Tripp Lite UPS Systems	-
SNMP Accessories	ENVIROSENSE	Power Management Tools - Environmental Sensor	-
Power Distribution	PDUMV20HV	Metered 0U Vertical Rack PDU - Metered Power Distribution Unit for Network Applications	-

Power Distribution	PDUMV20HVNET	Switched, Metered PDU with Remote Monitoring - 0U Vertical Rackmount Power Distribution Unit for Networks with Individually Switchable Outlets, Current Metering, Remote Monitoring and Control	-
Power Distribution	PDUNV	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
SNMP Accessories	SNMPWEBCARD	Power Management Tools - Internal SNMP/Web Card	-
Start-Up/Warranty Services	WEXT3-SU10K	3-Year Extended Warranty - 1-year extension of standard 2-year warranty	-
Start-Up/Warranty Services	WEXT3-SU8000	3-Year Extended Warranty- 1-year extension of standard 2-year warranty	-
Start-Up/Warranty Services	WEXT5-SU10K	5-Year Extended Warranty - 3-year extension of standard 2-year warranty	-
Start-Up/Warranty Services	WEXT5-SU8000	5-Year Extended Warranty- 3-year extension of standard 2-year warranty	-

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3899.