Model #: SU8000RT3UG

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

Highlights

Global 8000VA (8kVA) 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 8000VA (8kVA) 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). Worldwide shipping version with 6 C19 outlets. Maximum installed rack depth of 32.5 in. Expandable battery runtime with optional 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 using battery power during brownouts to 156V and overvoltages to 276V. 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 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. LCD panel with scroll buttons offers 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. LED/LCD display panel easily rotates for viewing in rackmount or tower configurations. 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 8,000 VA (8kVA) 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 min. runtime at full load (8000VA/6400W) and 15 min. at half load (4000VA/3200W). Runtime is expandable with any number of optional 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 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

6 individually breakered C19 outlets

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

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 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 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)
Frequency compatibility	50/60 Hz
OUTPUT	
Output VA	8000
Output watts	6400
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	6 individually breakered C19 outlets
INPUT	

Maximum input amps	200V - 38A / 208V - 36A / 220V - 34A / 230V - 33A / 240V - 32A
Input connection type	Hardwire
BATTERY	
Full load runtime	6 min. (8000VA/6400W)
Half load runtime	15 min. (4000VA/3200W)
Expandable battery runtime	Runtime is expandable with optional external battery packs
Connects to UPS via	Included 3-wire DC cable
DC system voltage	240VDC
Typical battery lifespan	4-6 years
Battery recharge rate	Less than 8 hours to 90% (included battery set only)
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 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)	336
Shipping weight (kg)	152.5
Shipping Dimensions (HWD/in)	42 x 33.5 x 23
Shipping Dimensions (HWD/cm)	106.7 x 85.1 x 58.4
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)
Material of construction	Steel
Form factors supported	Rack (6U)
Cooling method	Fan

Battery Access	User replaceable, hot swappable external battery pack

ENVIRONMENTAL

Relative Humidity	0 to 95%, non-condensing
Storage Temperature	+5 to +122 degrees Fahrenheit
Operating Temperature	+32 to +104 degrees Fahrenheit
Line mode BTU/hr. (Max.)	2160 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.

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 all-black color scheme

BATTERY PACK ACCESSORY (optional)

Battery Pack Accessory (optional)	BP240V10RT3U, BP240V557C-1PH, BP240V787C-1PH, BP240V1037C-1PH, BP240V1407C-1PH

CERTIFICATIONS

Certifications	Tested to UL1778 (USA), CSA (Canada), CE (European Union), NOM (Mexico), Class A (Emissions), ROHS Compliant

WARRANTY

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

Related Items

External Battery Packs

BP240V10RT3U	BP240V10RT3U - External Battery Pack for UPS System	Qty: [optional]
BP240V557C-1PH	External battery pack for use with select Tripp Lite UPS Systems	Qty: [optional]
BP240V787C-1PH	External battery pack for use with select Tripp Lite UPS Systems	Qty: [optional]
BP240V1407C-1PH	External battery pack for use with select Tripp Lite UPS Systems	Qty: [optional]

BP240V1037C-1PH	External battery pack for use with select Tripp Lite UPS Systems	Qty: [optional]

Power Distribution		
PDUNV	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]
PDUMV20HV	Metered 0U Vertical Rack PDU - Metered Power Distribution Unit for Network Applications	Qty: [optional]
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	Qty: [optional]

Rackmount/Wallmount Kits		
2POSTRMKITWM	Two Post Rackmount / Wallmount Kit - buy 1 for each power module and battery pack	Qty: [optional]

Shutdown Cable Kits		
AS400CABLE KIT	Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers	Qty: [optional]

SNMP Accessories		
ENVIROSENSE	Power Management Tools - Environmental Sensor	Qty: [optional]
SNMPWEBCARD	Power Management Tools - Internal SNMP/Web Card	Qty: [optional]

Start-Up/Warranty Services		
WEXT3-SU8000	3-Year Extended Warranty- 1-year extension of standard 2-year warranty	Qty: [optional]
WEXT5-SU8000	5-Year Extended Warranty- 3-year extension of standard 2-year warranty	Qty: [optional]
W02-BW0	Regular business hours start-up, excludes on-site warranty.	Qty: [optional]
W02-BW2-1BD	Regular business hours start-up and two year on-site, next business day break/fix warranty service for locations within 350 miles of a covered service area.	Qty: [optional]
W02-BW2-247	Regular business hours start-up and two year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of a covered service area.	Qty: [optional]
W02-BW3-1BD	Regular business hours start-up and three year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-BW3-247	Regular business hours start-up and three year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]
W02-EW0	Evening or weekend hours start-up, excludes on-site warranty.	Qty: [optional]
W02-EW2-1BD	Evening or weekend hours start-up and two year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-EW2-247	Evening or weekend hours start-up and two year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]
W02-EW3-1BD	Evening or weekend hours start-up and three year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-EW3-247	Evening or weekend hours start-up and three year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]
W02-BW1-1BD	Regular business hours start-up and one year on-site, next business day break/fix warranty service for locations within 350 miles of a covered service area.	Qty: [optional]
W02-BW1-247	Regular business hours start-up and one year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of a covered service area.	Qty: [optional]
W02-EW1-1BD	Evening or weekend hours start-up and one year on-site, next business day break/fix warranty service for locations within 350 miles of service area.	Qty: [optional]
W02-EW1-247	Evening or weekend hours start-up and one year on-site, 24-by-7 break/fix warranty service for locations within 250 miles of service area.	Qty: [optional]

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	Qty: [optional]

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=3898.