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

MODEL NUMBER: **SU7500RT3U**

Description

7,500 VA (7.5kVA) 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. 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. 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 insur; extended warranty and service contracts available.

Features

- 7,500 VA (7.5kVA) 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 9 min. runtime at full load (7500VA/6000W) and 20 min. at half load (3750VA/3000W). 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 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
- 2 x NEMA L6-30R and 4 x 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
- 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.

Highlights

- 7500VA on-line 6U rack/tower UPS with expandable runtime (3U power module + 3U battery pack)
- Detachable PDU with manual bypass switch enables hot-swap UPS replacement without powering off connected loads
- 200/208/230/240V selectable input/output voltage
- 2% output voltage regulation over an input voltage range of 156V to 276V
- Enhanced serial communications ports, SNMP/Web Card Slot and EPO interfaces
- $250,000 Ultimate LIfetime Insurance (USA & Canada only).

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

- 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 insur
- Extended warranty and service contracts available

Specifications

OVERVIEW	
UPC Code	037332127396
INPUT	
Maximum Input Amps	200
Input Connection Type	Hardwire
Voltage Compatibility (VAC)	200; 208; 220; 230; 240
OUTPUT	
Frequency Compatibility	50 / 60 Hz
Output (Watts)	6000
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
BATTERY	
Runtime Full Load (min.)	9 min.
Runtime Half Load (min.)	20 min.
Expandable Runtime	Yes
Expandable Runtime Description	Runtime is expandable with optional BP240V10RT3U and BP240V32 external battery packs
DC System Voltage (VDC)	240
Battery Access	User replaceable, hot swappable external battery pack
Battery Pack Accessory (Optional)	BP240V10RT3U, BP240V32
UPS Connection	Included 3-wire DC cable
Typical Battery Lifespan	4-6 years
Battery Charge	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
USER INTERFACE, ALERTS & CONTROLS	
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.
Switches	Includes main power off/on switch, plus 2 switches to set and execute scrollable LCD functions
Audible Alarm	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
SURGE / NOISE SUPPRESSION	
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
PHYSICAL	
Material of Construction	Steel
Cooling Method	Fan
Form Factors Supported	Rack (6U)
Shipping Dimensions (hwd / in.)	39.75 x 23.00 x 31.50
Shipping Dimensions (hwd / cm)	100.96 x 58.42 x 80.01
Shipping Weight (lbs.)	330.56
Shipping Weight (kg)	149.94
Unit Dimensions (hwd / in.)	0.000 x 0.000 x 0.000
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)
Unit Weight (lbs.)	191.5
Unit Weight (kg)	86.86
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Line Mode BTU / Hr. (max.)	2025 btu/hr. (91% efficiency line mode)
COMMUNICATIONS	
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
Network Monitoring Port	Includes 2 built-in DB9 monitoring ports (1-RS232 / 1-contact closure)
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
LINE / BATTERY TRANSFER	
Transfer Time (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.
FEATURES & SPECIFICATIONS	
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty
Optional Coverage	3 year, 5 year, next day and on-site warranty coverage available for select opportunities - contact Tripp Lite
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

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