Model #: SU3000RTXL3UHV

SmartOnline 3kVA On-Line Double-Conversion UPS, 3U Rack/Tower, 208/240V NEMA outlets

Highlights

- 3000VA / 3kVA / 2400 watt on-line double-conversion 3U rack/tower UPS
- 208/240V +/-2% output at 50/60Hz
- Expandable runtime, Hot-swappable battery modules
- RS232 port; support for SNMP/WEB card options
- Front panel status LEDs with detailed load and battery metering
- NEMA L6-20P input; 6-15/20R & L6-20R outlets

Description

3000VA / 3kVA on-line, double-conversion UPS system for critical server, network and telecommunications equipment. 3U rackmount form factor with an installed depth of 20 inches (50.8cm). Expandable battery runtime with optional BP72V15-2U (limit 1) and BP72V28RT3U (multi-pack compatible) external battery packs. Full time sine wave 200/208/220/230/240V AC output with +/-2% voltage regulation. Online, double-conversion 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 130V and overvoltages to 275V. NEMA L6-20P input plug. NEMA 6-15/20R & L6-20R output receptacles. Network-grade AC surge and noise suppression. Zero transfer time between AC and battery operation. Network management interfaces support simultaneous communications via DB9 serial port and SNMPWEBCARD slot. Built-in DB9 port offers both enhanced RS-232 enabled monitoring data, plus contact closure monitoring ability. Supports simultaneous detailed monitoring of equipment load levels, self-test data and mains power conditions via all network interfaces. Includes PowerAlert monitoring software and complete cabling. Integrated two bank PDU switching supports load shedding and remote-reboot of connected equipment. Multi-stage metered current monitoring and battery charge status LEDs. Mains power and voltage regulation LEDs. Audible Alarm. Self-test. Fault-tolerant auto-bypass mode. 4 post rackmount accessories included; 2-9USTAND tower kit and 2POSTRMKITWM 2-post rackmount accessories available. Field replaceable, hot swappable internal batteries and external battery packs. Attractive all-black UPS design. 2-year warranty and $250,000 connected equipment insurance; extended warranty and service contracts available.

Package Includes

- SU3000RTXL3UHV Rack-Tower UPS System
- PowerAlert Software and cabling
- Mounting hardware for 4 post rackmount enclosures/tower stands included
- Warranty information
- Instruction manual

Features

- True on-line, double conversion UPS provides pure, sine wave AC output at all times
- 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
- Accepts input voltages between 160 and 275 (130 to 275 at loads under 70%), regulating output to selectable 200/208/220/230/240V +/-2%
- 3000VA/2400 watt power capacity with 8 total outlets (6 NEMA6-15/20R & 2 NEMAL6-20R)
- Standard internal battery set provides 14 minutes runtime at half load
- Expandable runtime with multiple external battery packs (part# BP72V15-2U limit 1/BP72V28-3U multi-pack compatible)
- Innovative design makes unit adaptable for rackmount, tower, or stacking applications
- Uses only 3 rack spaces (3U) in standard 19 inch rack
- 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

- Compatible with Tripp Lite's Watchdog Service Monitoring/Reboot Software
- Fault tolerant electronic bypass maintains utility output during a variety of UPS fault conditions
- Diagnostic LEDs
- Battery replacement door
- Mounting hardware included for 4 post rack enclosures, 2 post telecom rack compatible with separate purchase 2POSTRMKITWM accessory
- $250,000 Ultimate Lifetime connected equipment insurance
- 2 year manufacturer's product warranty

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	3000
Output kVA capacity (kVA)	3
Output Watt Capacity (watts)	2400
Output kW capacity	2.4
Output power factor	0.8
Crest Factor	3:1
Nominal Output Voltage(s) Supported	200V; 208V; 220V; 240V
Nominal Voltage details	230V default
Frequency compatibility	50 / 60 Hz
Frequency compatibility details	Output frequency matches input nominal on startup, defaults to 60 Hz on cold-start
Output voltage regulation (line mode)	+/- 2%
Output voltage regulation (Battery mode)	+/- 2%
Built-in UPS output receptacles	6 6-15/20R outlet(s); 2 L6-20R outlet(s)
Built-in controllable switched load banks	Two switchable 6-15/20R load banks (bank 1 - two outlets, bank 2 - four outlets)
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Pure Sine wave
INPUT	
Rated input current (at maximum load)	14.9A (200V), 14.3A (208V), 13.1A (220V), 12.1A (240V)
Nominal Input Voltage(s) Supported	200V AC; 208V AC; 220V AC; 240V AC
UPS input connection type	L6-20P

Input circuit breaker	25A double pole
UPS Input cord length (ft.)	10
UPS Input cord length (m)	3
Recommended Electrical Service	20A

BATTERY

Full load runtime (minutes)	5 min. (2400w)
Half load runtime (minutes)	14 min. (1200w)
Expandable battery runtime	Supports extended runtime with optional external battery packs
External battery pack compatibility	BP72V15-2U (limit 1); BP72V28RT-3U (multi-pack compatible)
DC system voltage (VDC)	72
Battery recharge rate (included batteries)	Less than 6 hours from 10% to 80%
Replacement battery cartridge (internal UPS battery replacement)	RBC53 (quantity 2)
Battery Access	Front panel battery access door
Battery replacement description	Hot-swappable, user replaceable batteries

VOLTAGE REGULATION

Voltage regulation description	Online, double-conversion power conditioning
Overvoltage correction	Maintains output during overvoltages to 275
Undervoltage correction	Maintains output during undervoltages to 160V AC
Severe undervoltage correction	At load levels less than 70%, UPS maintains output during undervoltages to 130V AC

LEDS ALARMS & SWITCHES

LED Indicators	14 LEDs indicate line power, online mode, bypass mode, on-battery, overload, battery low, replace battery and fault status information; 4-LED meter displays load and battery charge levels; LED panel rotates for viewing in rack/tower formats
Alarms	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch
Switches	2 switches control off/on power status and alarm-cancel/self-test operation

SURGE / NOISE SUPPRESSION

UPS AC suppression joule rating	2670

UPS AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes

PHYSICAL

Installation form factors supported with optional accessories	2 post rackmount (2POSTRMKITWM); Tower (2-9USTAND)
Optional mounting accessory notes	Wallmount installation not recommended
Primary form factor	Rackmount
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	5.2 x 17.3 x 19.8
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	13.2 x 43.9 x 50.3
Installed whole system total rack space height (rack spaces)	3U
Secondary form factor	Tower (requires 2-9USTAND)
UPS / Power Module weight (lbs)	74.9
UPS / Power Module weight (kg)	34
UPS Shipping dimensions (height x width x depth / inches)	13.3 x 23.8 x 25.7
UPS Shipping dimensions (height x width x depth / cm)	33.8 x 60.5 x 65.3
Shipping weight (lbs)	90.3
Shipping weight (kg)	41
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)	1112.7

Battery mode BTU / hr. (full load)	1219.3

COMMUNICATIONS

Communications interface	DB9 Serial; Contact closure; Slot for SNMP/Web interface
Network monitoring port description	Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications
Communications cable	DB9 cable included
WatchDog compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications

LINE / BATTERY TRANSFER

Transfer time	No transfer time (0 ms.) in online, double-conversion mode
Low voltage transfer to battery power (setpoint)	160V (100% load), 130V (
High voltage transfer to battery power (setpoint)	275

SPECIAL FEATURES

Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
High availability UPS features	Automatic inverter bypass; Hot swappable batteries
Green & high efficiency features	Individually controllable load banks

CERTIFICATIONS

UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI)

WARRANTY

Product Warranty Period (U.S., Canada & Puerto Rico)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
Power Distribution	PDU12IEC	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
Shutdown Cable Kits	AS400CABLE KIT	Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers	-
SNMP Accessories	SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	-
SNMP Accessories	ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	-

Surge Protectors	DNET1	Network Surge Suppressor - Essential protection for data and communication lines	-
Surge Protectors	DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	-
Environmental Monitoring	730909	Power Management Tools - EPO Y Adapter Cable	-
Extended Warranties	WEXT3-2200-3000	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA	-
Extended Warranties	WEXT5-2200-3000	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA or less	-
External Battery Packs	BP72V15-2U	BP72V15-2U - External Battery Pack for UPS System	-
External Battery Packs	BP72V28RT-3U	BP72V28RT-3U - External Battery Pack for UPS System	-
Rackmount Consoles	2POSTRMKITHD	Enables 2-Post Rackmount Installation of 3U and Larger UPS, Transformer and Battery Pack Components	-

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=2568.