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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 200/208/220/240V 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; 2-9U STAND tower kit and 2-POSTRMKITWM 2-post rackmount accessories available. Field replaceable, hot swappable internal batteries and external battery packs. Attractive all-black UPS design. \$250,000 [connected equipment insurance](#)

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 200/208/220/240V +/-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](#)

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 | 208V 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 |

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| 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 |

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| UPS AC suppression response time | Instantaneous |
| EMI / RFI AC noise suppression | Yes |
| PHYSICAL | |
| Installation form factors supported with included accessories | 4 post 19 inch rackmount (mounting rail kit included) |
| 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 |
| Rack Height | 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 |
| Cooling method | Fan |
| UPS housing material | Steel |
| 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 |

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|---|---|
| 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 (Worldwide) | 2-year limited warranty |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 Ultimate Lifetime Insurance |

Related Items

Optional Products

| Related Model | Description | Qty. |
|------------------------------|--|------|
| BP72V15-2U | BP72V15-2U - External Battery Pack for UPS System | 1 |
| BP72V28RT-3U | BP72V28RT-3U - External Battery Pack for UPS System | 1 |
| SNMPWEBCARD | For remote monitoring and control via SNMP, Web, or Telnet. | 1 |
| ENVIROSENSE | Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.) | 1 |

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|-----------------|--|---|
| AS400CABLEKIT2 | Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers | 1 |
| 730909 | Power Management Tools - EPO Y Adapter Cable | 1 |
| PDU12IEC | Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment | 1 |
| DNET1 | Network Surge Suppressor - Essential protection for data and communication lines | 1 |
| DTEL2 | Network Surge Suppressor - Essential protection for data and communication lines | 1 |
| DCATV | Network Surge Suppressor - Essential protection for TV/VCR coaxial lines | 1 |
| WEXT3-2200-3000 | 3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA | 1 |
| WEXT5-2200-3000 | 5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA or less | 1 |
| 2POSTRMKITHD | Enables 2-Post Rackmount Installation of 3U and Larger UPS, Transformer and Battery Pack Components | 1 |

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.

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