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Model #: SU3000XL

SmartOnline 3kVA On-Line Double-Conversion UPS, Tower, 120V NEMA outlets



Highlights

- 3000VA / 3kVA / 2400 watt on-line double-conversion tower UPS
- 110/120V +/-2% output at 50/60Hz, high efficiency economy mode option
- Expandable runtime, Hot-swappable batteries
- USB, RS232 & EPO ports; support for SNMP/WEB card options
- Front panel status LEDs with detailed load and battery metering
- 2 independently switchable output load banks
- NEMA L5-30P input; L5-30R, 5-15/20R & 5-15R outlets

Description

3000VA / 3kVA / 2400 watt on-line, double-conversion UPS system for critical server, network and telecommunications equipment. Attractive upright tower format. Expandable battery runtime with optional BP72V15-2U (limit 1) and BP72V28RT3U (multi-pack compatible) external battery packs. Full time sine wave 110/120V output with +/-2% voltage regulation. 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 65V and overvoltages to 150V. Up to 97% efficiency in optional economy mode saves BTU heat output and energy costs. NEMA L5-30P input plug. NEMA L5-30R, NEMA 5-15/20R and NEMA 5-15R output receptacles. Network-grade AC surge and noise suppression. Zero transfer time between AC and battery operation. Network management interfaces include USB port, DB9 serial port and SNMPWEBCARD slot. Built-in DB9 port offers both enhanced RS-232 enabled monitoring data, plus contact closure monitoring ability. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. 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. Emergency Power Off (EPO) interface. Integrated two bank PDU switching supports automated 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. Field replaceable, hot swappable internal batteries and external battery packs. 2-year warranty and \$250,000 [connected equipment insurance](#); extended warranty and service contracts available.

Package Includes

- SU3000XL Online, Double-Conversion UPS System
- PowerAlert Software and cabling
- Instruction manual with warranty information

Features

- SmartOnline high-performance UPS system is ideal for critical voice, data, medical and industrial network applications
- Optional economy-mode operation with 97% efficiency for reduced power consumption and cooler operation
- Economy mode is schedulable via PowerAlert UPS management software for daily or weekly hours of operation to enable precision output during peak operating hours and high efficiency, low BTU emission operation during off-peak times
- Maintains continuous operation through blackouts, voltage fluctuations and surges
- On-line, double-conversion mode provides perfectly regulated sine wave output within 2% of 110/120V (user selectable) with zero transfer time

- Supports operation at 50/60Hz (auto-sensing)
- Removes harmonic distortion, fast electrical impulses, frequency variations and other hard to solve power problems not addressed by other UPS types
- Corrects line voltage conditions as low as 65V and as high as 150V to within 2% of selected nominal voltage
- Standard internal battery set offers 14 minutes runtime at half load (1200W) and 5 minutes at full load (2400W)
- Expandable battery runtime with optional BP72V15-2U and BP72V28RT-3U external battery packs
- Some external battery configurations require the use of Tripp Lite's [External Battery Configuration Software](#) (see manual)
- Fault tolerant electronic bypass maintains utility output during a variety of UPS fault conditions
- Network interfaces support simultaneous communications via built-in USB, DB9 serial / contact-closure and SNMPWEBCARD slot
- HID compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus any number of additional servers over IP
- UPS interface supports on-battery, low-battery, power-restored, AC-voltage, DC-voltage, output current monitoring, battery charge current, battery capacity, AC line frequency, timed inverter shutoff, activate self-test, load bank output power control, remote reboot and UPS nominal voltage adjustment
- Built-in Emergency Power Off (EPO) interface with cable
- NEMA L5-30P input plug / NEMA 5-15R, 5-15/20R & L5-30R output receptacles
- Integrated 2 bank switched PDU enables remote outlet management for load shedding or remote reboot of individual load banks
- Front panel LEDs offer current monitoring and battery charge level information
- Network grade AC, TEL/DSL or ethernet line surge suppression
- Field replaceable, hot swappable internal batteries and external battery packs
- 2 year manufacturer's product warranty; \$250,000 Ultimate Lifetime Insurance
- Extended warranty and service contracts available

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 | 110V; 120V |
| 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 (Economy line mode) | +/- 10% |
| Output voltage regulation (Battery mode) | +/- 2% |
| Built-in UPS output receptacles | 4 5-15R outlet(s); 4 5-15/20R outlet(s); 1 L5-30R outlet(s) |

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| Built-in controllable switched load banks | Two switchable four-outlet load banks, (bank 1 - four 5-15/20R, bank 2 - four 5-15R outlets) |
| Output circuit breaker | 15A branch rated breaker (x2) protects 4 outlets each, L5-30R outlet is unbreakered |
| Output AC waveform (AC mode) | Pure Sine wave |
| Output AC waveform (battery mode) | Pure Sine wave |
| INPUT | |
| Rated input current (at maximum load) | 24A (120V) |
| Nominal Input Voltage(s) Supported | 110V AC; 120V AC |
| UPS input connection type | L5-30P |
| Input circuit breaker | 40A |
| UPS Input cord length (ft.) | 10 |
| UPS Input cord length (m) | 3 |
| Recommended Electrical Service | 30A 120V |
| BATTERY | |
| Full load runtime (minutes) | 5 min. (2400w) |
| Half load runtime (minutes) | 14 min. (1200w) |
| Expandable battery runtime | Extended runtime supported via 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) | RBC96-3U |
| 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 | 2% output voltage regulation during overvoltages to 150 |
| Undervoltage correction | 2% output voltage regulation during undervoltages to 80 |

| | |
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| Severe undervoltage correction | 2% output voltage regulation during undervoltages to 65 (under 70% load only) |
| LEDS ALARMS & SWITCHES | |
| LED Indicators | 14 LEDs indicate line power, online mode, economy/bypass mode, on-battery, overload, battery low, replace battery and fault status information - includes 4-LED meter display for load and battery charge level |
| 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 | 570 |
| UPS AC suppression response time | Instantaneous |
| UPS Dataline suppression | 1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet |
| EMI / RFI AC noise suppression | Yes |
| PHYSICAL | |
| Installation form factors supported with included accessories | Tower |
| Primary form factor | Tower |
| UPS / Power Module dimensions in primary form factor (height x width x depth / inches) | 10.3 x 9 x 20.5 |
| UPS / Power Module dimensions in primary form factor (height x width x depth / cm) | 26.2 x 22.9 x 52.1 |
| UPS / Power Module weight (lbs) | 69.3 |
| UPS / Power Module weight (kg) | 31.5 |
| UPS Shipping dimensions (height x width x depth / inches) | 15.25 x 13 x 24 |
| UPS Shipping dimensions (height x width x depth / cm) | 38.7 x 33 x 61 |
| Shipping weight (lbs) | 75.2 |
| Shipping weight (kg) | 34.1 |
| 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) | 1117 |
| AC economy mode BTU / hr. (full load) | 252.4 |
| Battery mode BTU / hr. (full load) | 1219.3 |
| AC economy mode efficiency rating (100% load) | 97% |
| Audible Noise | < 45 dB at front side 1m |
| COMMUNICATIONS | |
| Communications interface | USB (HID enabled); DB9 Serial; Contact closure; EPO (emergency power off); 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 |
| PowerAlert software | Included |
| Communications cable | USB and DB9 cabling 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) | 80V (100% load), 65V (|
| High voltage transfer to battery power (setpoint) | 150 |
| 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 | High efficiency economy mode operation; Greater than 95% efficiency - GREEN UPS; Individually controllable load banks; Schedulable daily hours of economy mode operation |
| 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. |
|------------------------|---------------------------------|--|------|
| Extended Warranties | WEXT3-2200-3000 | 3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA | 1 |
| Extended Warranties | WEXT5-2200-3000 | 5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA or less | 1 |
| External Battery Packs | BP72V15-2U | BP72V15-2U - External Battery Pack for UPS System | 1 |
| External Battery Packs | BP72V28RT-3U | BP72V28RT-3U - External Battery Pack for UPS System | 1 |
| Power Distribution | PDU1220 | Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment | 1 |
| Power Distribution | PDU2430 | Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment | 1 |
| Shutdown Cable Kits | AS400CABLE KIT | Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers | 1 |
| SNMP Accessories | ENVIROSENSE | Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.) | 1 |
| SNMP Accessories | SNMPWEBCARD | For remote monitoring and control via SNMP, Web, or Telnet. | 1 |
| Software | WATCHDOGSW | WatchDog Service Monitoring / Reboot Software | 1 |
| UPS Accessories | MODBUSCARD | For remote monitoring and control via MODBUS protocol | 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=3601.

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