

SmartOnline 120V 3kVA 2.4kW On-Line Double-Conversion UPS, 3U Rack/Tower, Extended Run, WEBCARDLX Network Interface

MODEL NUMBER: SU3000RTXL3UN



Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Pre-installed WEBCARDLX network interface permits remote UPS management.

Features

Protects Mission-Critical Rack-Mounted Equipment

- 120V 50/60 Hz output voltage with 0.8 power factor
- +/-2% voltage regulation in online and battery modes
- 4 breakered NEMA 5-15/20R, 4 breakered 5-15R and 1 non-breakered L5-30R outlets
- 10-ft. (3.05 m) AC power cord with NEMA L5-30P input plug
- 510 joules for combating EMI/RFI line noise that can distort or destroy data

Reliable Battery Backup with Expandable Runtime

- Supports half load for 14 min. and full load for 5 min.
- Zero transfer time between AC power and battery operation keeps network running during blackouts
- Expandable runtime with optional external battery packs, such as Tripp Lite's BP72V15-2U

Pre-Installed WEBCARDLX Network Interface

- Allows full remote access for power monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSH
- Supports 10/100 Mbps auto-sensing for communication with an Ethernet network
- No Java required

Broad Communications Compatibility

- Supports IPv4, IPv6, HTTP, HTTPS, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP and NTP
- Supports automatic and manual assignment of IP address

Highlights

- Zero transfer time suitable for advanced network applications
- +/-2% output voltage regulation in online and battery modes
- Expandable runtime with optional external battery packs
- Pre-installed WEBCARDLX network interface for remote UPS access
- 14 min. runtime at half load; 5 min. at full load
- To enable the Auto Probe feature, this product requires LX firmware update 15.5.2 or later to be installed

Package Includes

- SU3000RTXL3UN SmartOnline 120V 3kVA 2.4kW On-Line Double-Conversion UPS
- Pre-installed WEBCARDLX network interface
- USB cable
- DB9 cable
- EPO cable
- Rack-mounting hardware
- Owner's manual

Optional Economy Mode

- High 94% efficiency in economy mode cuts BTU heat output, power consumption and energy costs

Switchable Breakered Load Banks

- NEMA 5-15/20R and 5-15R outlets divided into 2 load banks, each of which may be individually powered on and off remotely to reset or reboot connected equipment

Front LED Panel

- 14 LEDs indicate line power, online mode, economy/bypass mode, on-battery, overload, battery condition and fault status information
- Rotates for viewing in rack and tower formats

USB and DB9 Ports

- Enable data-saving unattended shutdown with Tripp Lite's PowerAlert software (available via free download at www.tripplite.com/poweralert)

Versatile Installation Options

- Mounts in 3U of EIA-standard 19 in. 4-post rack (hardware included), 2-post rack or upright tower position

Specifications

| OVERVIEW | |
|------------------------------------|--------------|
| UPC Code | 037332181466 |
| UPS Type | On-Line |
| INPUT | |
| Rated input current (Maximum Load) | 24A |
| Nominal Input Voltage(s) Supported | 120V AC |
| UPS Input Connection Type | L5-30P |
| Input Circuit Breakers | 40A |
| UPS Input Cord Length (ft.) | 10 |
| UPS Input Cord Length (m) | 3.1 |
| Recommended Electrical Service | 30A 120V |
| Input Phase | Single-Phase |
| OUTPUT | |
| Output Capacity (VA) | 3000 |
| Output Capacity (kVA) | 3 |
| Output Capacity (Watts) | 2400 |

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| Output Capacity (kW) | 2.4 |
| Output Capacity Details | OVERLOAD CAPACITY: Supports inverter operation up to 105% load continuously, 125% load for 3 minutes; 150% load for 30 seconds and >150% load for 0.5 seconds before switching to BYPASS (when bypass input voltage and frequency are WITHIN bypass limits) or SHUTDOWN (when bypass input voltage or frequency are OUTSIDE bypass limits) |
| Power Factor | 0.8 |
| Crest Factor | 3:1 |
| 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% |
| Load Management Receptacles | Two switchable four-outlet load banks, (bank 1 - four 5-15/20R, bank 2 - four 5-15R outlets) |
| Output Circuit Breakers | 15A branch rated (x2) - each breaker protects 4 outlets, L5-30R is unbreakered |
| Output AC Waveform (AC Mode) | Sine wave |
| Output AC Waveform (Battery Mode) | Pure Sine wave |
| Nominal Output Voltage(s) Supported | 120V |
| Output Receptacles | (4) 5-15R; (4) 5-15/20R; (1) L5-30R |
| Individually Controllable Load Banks | Yes |
| BATTERY | |
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Runtime Full Load (min.) | 5 min. (2400W) |
| Runtime Half Load (min.) | 14 min. (1200W) |
| Expandable Runtime | Yes |
| External Battery Pack Compatibility | BP72V15-2U (limit 1); BP72V28RT-3U (multi-pack compatible); BP72V18-2US (multi-pack compatible) |
| DC System Voltage (VDC) | 72 |
| Battery Recharge Rate (Included Batteries) | Less than 6 hours from 10% to 80% (typical, full load discharge) |
| Battery Access | Front panel battery access door |
| Internal UPS Replacement Battery Cartridge | RBC96-3U (quantity 1) |
| Battery Replacement Description | Hot-swappable, user replaceable batteries |

| VOLTAGE REGULATION | |
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| 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 |
| Severe Undervoltage Correction | 2% output voltage regulation during undervoltages to 65 (under 70% load only) |
| USER INTERFACE, ALERTS & CONTROLS | |
| Switches | 2 switches control off/on power status and alarm-cancel/self-test operation |
| Alarm Cancel Operation | Power-fail alarm can be silenced using alarm-cancel switch |
| Audible Alarm | Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions |
| LED Indicators | 14 LEDs indicate line power, online mode, economy/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 |
| SURGE / NOISE SUPPRESSION | |
| UPS AC Suppression Joule Rating | 510 |
| 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 | |
| Primary Form Factor | Rackmount |
| Rack Height | 3U |
| Cooling Method | Fan |
| Included Mounting Accessory Description | Includes 4 post rackmount installation accessories |
| Installation Form Factors Supported with Included Accessories | 4 post 19 inch rackmount |
| Installation Form Factors Supported with Optional Accessories | 2 post rackmount (2POSTRMKITHD); Tower (2-9USTAND); |
| Minimum Required Rack Depth (cm) | 73.66 |
| Minimum Required Rack Depth (inches) | 29 |
| Minimum Required Rack Depth with External Battery Pack (cm) | 81 |
| Minimum Required Rack Depth with External Battery Pack (in.) | 32 |
| Minimum Required Rack Depth without External Battery Pack (cm) | 80 |

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| Minimum Required Rack Depth without External Battery Pack (in.) | 31.5 |
| Primary UPS Depth (mm) | 660 |
| Primary UPS Height (mm) | 132 |
| Primary UPS Width (mm) | 452 |
| Shipping Dimensions (hwd / in.) | 12.00 x 23.00 x 32.50 |
| Shipping Dimensions (hwd / cm) | 30.48 x 58.42 x 82.55 |
| Shipping Weight (lbs.) | 110.00 |
| Shipping Weight (kg) | 49.90 |
| UPS Housing Material | Steel |
| UPS Power Module Dimensions (hwd, cm) | 13.21 x 45.21 x 66.04 |
| UPS Power Module Dimensions (hwd, in.) | 5.2 x 17.8 x 26 |
| UPS Power Module Weight (kg) | 33.48 |
| UPS Power Module Weight (lbs.) | 73.8 |
| Unit Weight (lbs.) | 74.0000 |
| Unit Weight (kg) | 33.57 |
| ENVIRONMENTAL | |
| Operating Temperature Range | 32° to 104°F (0° to 40°C) |
| Storage Temperature Range | 5° to 122°F (-15° to 50°C) |
| Relative Humidity | 0 to 95%, non-condensing |
| AC Mode BTU / Hr. (Full Load) | 1117 |
| AC Economy Mode BTU / Hr. (Full Load) | 523 |
| Battery Mode BTU / Hr. (Full Load) | 1224 |
| AC Economy Mode Efficiency Rating (100% Load) | 94% |
| COMMUNICATIONS | |
| Network Management Cards | WEBCARDLX |
| Network Monitoring Port Description | Includes pre-installed Network Management Card; DB9 port supports RS232 and contact closure communications; Economy-mode setting option is available using PowerAlert software and DB9 Serial cable connection OR installed Network Management Card |
| PowerAlert Software | For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at https://www.tripplite.com/poweralert |
| Communications Cable | USB and DB9 cabling included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |

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| Network Management Card Description | Network management card included |
| Communications Interface | Contact closure; DB9 Serial; EPO (emergency power off); Pre-installed network card; Slot for SNMP/Web interface; USB (HID enabled) |
| 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 (<70% load) |
| High Voltage Transfer to Battery Power (Setpoint) | 150 |
| FEATURES & SPECIFICATIONS | |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| High Availability UPS Features | Auto Probe Monitoring and Reboot (included); Automatic inverter bypass; Hot swappable batteries; Remote management; Surge/noise protection; Zero transfer time |
| Green Energy-Saving Features | High efficiency economy mode operation; Individually controllable load banks; Schedulable daily hours of economy mode operation |
| STANDARDS & COMPLIANCE | |
| Product Certifications | CSA (Canada); NOM (Mexico); UL 1778 |
| Product Compliance | RoHS; FCC Part 15 Class A (USA) |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 2-year limited warranty |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 Ultimate Lifetime Insurance |