

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

MODEL NUMBER: **SU3000RTXL3UN**



Description

The SU3000RTXL3UN SmartOnline® 120V 3kVA 2.4kW On-Line Double-Conversion UPS provides the highest level of battery backup and AC power protection for critical server, network and telecom equipment. It converts AC input to DC power, and then converts DC to fully regulated sine wave AC output with +/-2% voltage regulation in online and battery modes and zero transfer time to battery.

Operating with a high 94% efficiency in optional economy mode, the [SU3000RTXL2U](#) cuts BTU heat output, power consumption and energy costs. Featuring four NEMA 5-15/20R and four 5-15R outlets in two switchable breakered load banks, as well as one non-breakered L5-30R outlet, the SU3000RTXL3UN has an internal battery that provides 14 minutes of support at half load and 5 minutes at full load. Adding optional external battery packs, such as Tripp Lite's [BP72V15-2U](#) (sold separately), provides extended runtime.

The pre-installed Java-free HTML5-based [WEBCARDLX](#) interface enables full remote access for site power and UPS status monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSH. It supports 10/100 Mbps auto-sensing for optimum communication with an Ethernet network. Optional EnviroSense2 modules (sold separately) provide a variety of environmental monitoring capabilities. Protocols supported include IPv4, IPv6, HTTP, HTTPS, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP and NTP.

Features

Protects Mission-Critical Rack-Mounted Equipment

- Selectable 110/120V 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. 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

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

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



- 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

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

| OUTPUT | |
|-------------------------------|--|
| Output Volt Amp Capacity (VA) | 3000 |
| Output kVA Capacity (kVA) | 3 |
| Output Watt Capacity (Watts) | 2400 |
| Output kW 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 |



Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

| | |
|---|---|
| Nominal Output Voltage(s) Supported | 110V; 120V |
| Nominal Voltage Details | 120V 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 (Economy Line Mode) | +/- 10% |
| Output Voltage Regulation (Battery Mode) | +/- 2% |
| Output Receptacles | (4) 5-15R; (4) 5-15/20R; (1) L5-30R |
| 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 |
| INPUT | |
| Rated input current (Maximum Load) | 24A |
| Nominal Input Voltage(s) Supported | 110V AC; 120V AC |
| UPS Input Connection Type | L5-30P |
| Input Circuit Breakers | 40A |
| UPS Input Cord Length (ft.) | 10 |
| UPS Input Cord Length (m) | 3.0 |
| Recommended Electrical Service | 30A 120V |
| Input Phase | Single-Phase |
| BATTERY | |
| Full Load Runtime (min.) | 5 min. (2400w) |
| Half Load Runtime (min.) | 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); 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) |
| Internal UPS Replacement Battery Cartridge | RBC96-3U (quantity 1) |
| Battery Access | Front panel battery access door |



| | |
|---|--|
| Battery Replacement Description | Hot-swappable, user replaceable batteries |
| Expandable Runtime | Yes |
| 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 |
| 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 Dateline Suppression | 1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet |
| EMI / RFI AC Noise Suppression | Yes |
| PHYSICAL | |
| Included Mounting Accessory Description | Includes 4 post rackmount installation accessories |
| Installation Form Factors Supported with Optional Accessories | 2 post rackmount(2POSTRMKITHD); Tower(2-9USTAND) |
| Primary Form Factor | Rackmount |
| UPS Power Module Dimensions (hwd, in.) | 5.2 x 17.8 x 26 |
| UPS Power Module Dimensions (hwd, cm) | 13.21 x 45.21 x 66.04 |
| Rack Height (U Spaces) | 3 |
| Minimum Required Rack Depth (inches) | 37 |
| Minimum Required Rack Depth (cm) | 93.98 |
| UPS Power Module Weight (lbs.) | 73.8 |
| UPS Power Module Weight (kg) | 33.48 |



Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

| | |
|---|---|
| UPS Shipping Dimensions (hwd / in.) | 11.2 x 23 x 31.5 |
| UPS Shipping Dimensions (hwd / cm) | 28.45 x 58.42 x 80.01 |
| Shipping Weight (lbs.) | 112.4 |
| Shipping Weight (kg) | 51 |
| Cooling Method | Fan |
| UPS Housing Material | Steel |
| Minimum Required Rack Depth (mm) | 940 |
| Primary UPS Height (mm) | 132 |
| Primary UPS Width (mm) | 452 |
| Primary UPS Depth (mm) | 660 |
| Shipping Height (mm) | 284 |
| Shipping Width (mm) | 584 |
| Shipping Depth (mm) | 800 |
| 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) | 523 |
| Battery Mode BTU / Hr. (Full Load) | 1224 |
| AC Economy Mode Efficiency Rating (100% Load) | 94% |
| COMMUNICATIONS | |
| Communications Interface | Contact closure; DB9 Serial; EPO (emergency power off); Pre-installed network card; Slot for SNMP/Web interface; USB (HID enabled) |
| 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 http://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 |
| LINE / BATTERY TRANSFER | |
| Transfer Time | No transfer time (0 ms.) in online, double-conversion mode |



Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

| | |
|---|---|
| Low Voltage Transfer to Battery Power (Setpoint) | 80V (100% load), 65V (<70% load) |
| 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 Energy-Saving Features | High efficiency economy mode operation; 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 (Worldwide) | 2-year limited warranty |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 Ultimate Lifetime Insurance |

© 2017 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice.

Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies:

<https://www.tripplite.com/products/product-certification-agencies>

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9