



**Tripp Lite**  
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## SmartOnline 120V 3kVA 2.7kW On-Line Double-Conversion UPS, 2U Rack/Tower, Extended Run, Network Card Option, ENERGY STAR

MODEL NUMBER: SU3000RTXL2U



Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, surges and line noise. Converts incoming AC power to filtered DC power, then back to AC with a pure sine wave.

### Description

The SU3000RTXL2U SmartOnline® 120V 3kVA 2.7kW On-Line Double-Conversion UPS provides the highest level of battery backup and AC power protection for critical server, network and telecom equipment. It delivers perfectly regulated sine wave output with +/-2% voltage regulation in online and battery modes, 0.9 power factor and zero transfer time to battery.

The ENERGY STAR Version 2.0-certified SU3000RTXL2U can save you money by meeting strict EPA guidelines for efficiency. Featuring six NEMA 5-15/20R outlets in two switchable breakered load banks, as well as one non-breakered L5-30R outlet, the SU3000RTXL2U has an internal battery that provides 13.8 minutes of support at half load and 4.8 minutes at full load. Adding optional external battery packs, such as Tripp Lite's BP72V15-2U (sold separately), provides extended runtime.

USB and DB9 ports combine with Tripp Lite's free downloadable PowerAlert® software to offer comprehensive network power monitoring and control. This UPS system also accepts an optional WEBCARDLX network interface (sold separately) that enables Java-free remote access for site power and UPS status monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSH.

The front LED panel indicates line power, online mode, bypass mode, on-battery, overload, battery condition and fault status information at a glance. It rotates for easy viewing in either rack or tower configuration.

### Features

**Protects Mission-Critical Rack-Mounted Equipment** Protects equipment against data loss, downtime and damage due to power outages, voltage fluctuations and transient surges +/-2% voltage regulation in online and battery modes  
**Selectable 120V 50/60 Hz output voltage** with up to 0.9 power factor  
**6 breakered NEMA 5-15/20R and 1 non-breakered L5-30R outlets**  
**10 ft. AC power cord** with NEMA L5-30P input plug  
**504-joule surge protection rating** for shielding connected devices from damaging power surges and spikes

**Reliable Battery Backup with Expandable Runtime** Supports half load for 13.8 min. and full load for 4.8

### Highlights

- Zero transfer time between AC power and battery operation
- +/-2% output voltage regulation in online and battery modes
- Expandable runtime with optional external battery packs
- Optional WEBCARDLX network interface for full remote access
- 13.8 min. runtime at half load; 4.8 min. at full load
- To use the Auto Probe feature, this product requires a WEBCARDLX network interface (sold separately) running LX firmware update 15.5.2 or later

### Package Includes

- SU3000RTXL2U SmartOnline 120V 3kVA 2.7kW On-Line Double-Conversion UPS
- USB cable
- DB9 cable
- EPO cable
- Rack-mounting hardware
- Owner's manual



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min.Zero transfer time between AC power and battery operation keeps network running during blackoutsExpandable runtime with optional external battery packs, such as Tripp Lite's BP72V15-2U  
**ENERGY STAR Version 2.0 Certification**High efficiency operation and low BTU heat output reduces energy costs and meets strict EPA guidelines  
**Switchable Breakered Load Banks**NEMA 5-15/20R outlets divided into 2 numbered 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 informationRotates for viewing in rack and tower formats  
**Audible Alarm**Indicates power failure, overload, battery condition and EPO operation  
**Communications Ports**USB and DB9 ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software (available via free download at [www.tripplite.com/poweralert](http://www.tripplite.com/poweralert))Optional WEBCARDLX allows full remote access for power monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSH  
**Versatile Installation Options**Hardware included for 4-post mounting in 2U of EIA-standard 19 in. rackMounts in 2-post rack with optional 2POSTRMKITWMMounts in upright tower position with optional 2-9USTAND

## Specifications

| OVERVIEW                           |                                                                                                                                                                                                                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UPC Code                           | 037332197023                                                                                                                                                                                                                                                                      |
| UPS Type                           | On-Line                                                                                                                                                                                                                                                                           |
| INPUT                              |                                                                                                                                                                                                                                                                                   |
| Rated input current (Maximum Load) | 24A maximum                                                                                                                                                                                                                                                                       |
| Nominal Input Voltage(s) Supported | 120V AC                                                                                                                                                                                                                                                                           |
| UPS Input Connection Type          | L5-30P                                                                                                                                                                                                                                                                            |
| Recommended Electrical Service     | 30A 120V                                                                                                                                                                                                                                                                          |
| Input Phase                        | Single-Phase                                                                                                                                                                                                                                                                      |
| Input Cord Length (ft.)            | 10                                                                                                                                                                                                                                                                                |
| Input Cord Length (m)              | 3.05                                                                                                                                                                                                                                                                              |
| OUTPUT                             |                                                                                                                                                                                                                                                                                   |
| Output Volt Amp Capacity (VA)      | 3000                                                                                                                                                                                                                                                                              |
| Output kVA Capacity (kVA)          | 3.00                                                                                                                                                                                                                                                                              |
| Output Watt Capacity (Watts)       | 2700                                                                                                                                                                                                                                                                              |
| Output kW Capacity (kW)            | 2.70                                                                                                                                                                                                                                                                              |
| Power Factor                       | 0.9                                                                                                                                                                                                                                                                               |
| Crest Factor                       | 3:1                                                                                                                                                                                                                                                                               |
| Nominal Voltage Details            | 120V default                                                                                                                                                                                                                                                                      |
| Frequency Compatibility            | 50 / 60 Hz                                                                                                                                                                                                                                                                        |
| Frequency Compatibility Details    | Accepts 40 to 70Hz input frequency. Output frequency matches input nominal on startup, defaults to 60 Hz on cold-start. Frequency conversion from 60 to 50 Hz -or- 50 to 60 Hz supported. Output capacity de-rates to 70% of normal levels during frequency conversion operation. |



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|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Output Voltage Regulation (Line Mode)      | +/- 2%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Output Voltage Regulation (Battery Mode)   | +/- 2%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Load Management Receptacles                | Two switchable three-outlet load banks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Output Circuit Breakers                    | 20A (x2) - each breaker protects 3 5-15/20R outlets, L5-30R outlet is un-breakered                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Output AC Waveform (AC Mode)               | Pure Sine wave                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Output AC Waveform (Battery Mode)          | Pure Sine wave                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Output Capacity Details                    | INVERTER SHORT-CIRCUIT PROTECTION: Inverter short-circuit protection is electrically protected; OVERLOAD CAPACITY: Supports inverter operation up to 105% load continuously, 125% for 30 seconds, 150% for 10 seconds and >150% for 0.5 seconds before switching to BYPASS (when bypass input voltage and frequency are WITHIN bypass limits of 120V $\pm$ 10%) or SHUTDOWN (when bypass input voltage or frequency are OUTSIDE bypass limits of 120V $\pm$ 10%).                                                                                                                            |
| Nominal Output Voltage(s) Supported        | 100V; 110V; 115V; 120V; 127V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Output Receptacles                         | (6) 5-15/20R; (1) L5-30R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Individually Controllable Load Banks       | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>BATTERY</b>                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Full Load Runtime (min.)                   | 4.8 min. (2700w)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Half Load Runtime (min.)                   | 13.8 min. (1350w)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Expandable Battery Runtime                 | Supports extended runtime with optional external battery packs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| External Battery Pack Compatibility        | &nbsp;<a class="productLink" href="//www.tripplite.com/External-72V-2U-RackTower-Battery-Pack-for-Select-Tripp-Lite-UPS-Systems-BP72V15-2U~BP72V15-2U">BP72V15-2U</a>&nbsp;(limit 1); &nbsp;<a class="productLink" href="//www.tripplite.com/External-72V-3U-Rack-Tower-Battery-Pack-Select-Tripp-Lite-UPS-systems-BP72V28RT-3U~BP72V28RT-3U">BP72V28RT-3U</a>&nbsp;(multi-pack compatible); &nbsp;<a class="productLink" href="//www.tripplite.com/External-72V-2U-Rack-Tower-Battery-Pack-for-Tripp-Lite-UPS-Systems-BP72V18-2US~BP72V18-2US">BP72V18-2US</a>&nbsp;(multi-pack compatible) |
| DC System Voltage (VDC)                    | 72                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Battery Recharge Rate (Included Batteries) | Less than 8.1 hours from 10% to 90% (typical, full load discharge)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Internal UPS Replacement Battery Cartridge | See RBC selector guide (replacement battery part number is also labeled on the internal battery door)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Battery Access                             | Front panel battery access door                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Battery Replacement Description            | Hot-swappable, user replaceable batteries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Expandable Runtime                         | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>VOLTAGE REGULATION</b>                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Voltage Regulation Description             | Online, double-conversion power conditioning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Overvoltage Correction                     | ONLINE MODE: 2% output voltage regulation during overvoltages to 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Undervoltage Correction                    | 2% output voltage regulation during undervoltages to 80V (66-100% load)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Severe Undervoltage Correction             | 2% output voltage regulation during undervoltages to 70V (33-66% load) or 60V (under 33% load)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |



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| 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 power failure, low battery, overload, replace battery and EPO operation                                                                                                                                                                                                                                                                                                                   |
| 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                                 | 504                                                                                                                                                                                                                                                                                                                                                                                                               |
| EMI / RFI AC Noise Suppression                                  | Yes                                                                                                                                                                                                                                                                                                                                                                                                               |
| AC Suppression Response Time                                    | Instantaneous                                                                                                                                                                                                                                                                                                                                                                                                     |
| PHYSICAL                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Cooling Method                                                  | Fan                                                                                                                                                                                                                                                                                                                                                                                                               |
| Included Mounting Accessory Description                         | Includes 4 post rackmount installation accessories                                                                                                                                                                                                                                                                                                                                                                |
| Installation Form Factors Supported with Optional Accessories   | 2 post rackmount ( <a href="http://www.tripplite.com/2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM">2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM</a> ); Tower ( <a href="http://www.tripplite.com/2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND">2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND</a> ) |
| Minimum Required Rack Depth with External Battery Pack (cm)     | 77                                                                                                                                                                                                                                                                                                                                                                                                                |
| Minimum Required Rack Depth with External Battery Pack (in.)    | 30.25                                                                                                                                                                                                                                                                                                                                                                                                             |
| Minimum Required Rack Depth without External Battery Pack (cm)  | 74                                                                                                                                                                                                                                                                                                                                                                                                                |
| Minimum Required Rack Depth without External Battery Pack (in.) | 29.25                                                                                                                                                                                                                                                                                                                                                                                                             |
| Primary Form Factor                                             | Rackmount                                                                                                                                                                                                                                                                                                                                                                                                         |
| Primary UPS Depth (mm)                                          | 616                                                                                                                                                                                                                                                                                                                                                                                                               |
| Primary UPS Height (mm)                                         | 88                                                                                                                                                                                                                                                                                                                                                                                                                |
| Primary UPS Width (mm)                                          | 438                                                                                                                                                                                                                                                                                                                                                                                                               |
| Rack Height                                                     | 2U                                                                                                                                                                                                                                                                                                                                                                                                                |
| Shipping Dimensions (hwd / cm)                                  | 24.00 x 59.99 x 76.00                                                                                                                                                                                                                                                                                                                                                                                             |
| Shipping Dimensions (hwd / in.)                                 | 9.45 x 23.62 x 29.92                                                                                                                                                                                                                                                                                                                                                                                              |
| Shipping Weight (kg)                                            | 39.46                                                                                                                                                                                                                                                                                                                                                                                                             |
| Shipping Weight (lbs.)                                          | 87.00                                                                                                                                                                                                                                                                                                                                                                                                             |
| UPS Housing Material                                            | Steel                                                                                                                                                                                                                                                                                                                                                                                                             |
| UPS Power Module Dimensions (hwd, cm)                           | 8.79 x 43.79 x 61.60                                                                                                                                                                                                                                                                                                                                                                                              |



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|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UPS Power Module Dimensions (hwd, in.)                      | 3.46 x 17.24 x 24.25                                                                                                                                                                                                                   |
| UPS Power Module Weight (kg)                                | 31.17                                                                                                                                                                                                                                  |
| UPS Power Module Weight (lbs.)                              | 68.72                                                                                                                                                                                                                                  |
| <b>ENVIRONMENTAL</b>                                        |                                                                                                                                                                                                                                        |
| 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                                           | 5 to 95%, non-condensing                                                                                                                                                                                                               |
| AC Mode BTU / Hr. (Full Load)                               | 531                                                                                                                                                                                                                                    |
| AC Economy Mode BTU / Hr. (Full Load)                       | 484.5                                                                                                                                                                                                                                  |
| Battery Mode BTU / Hr. (Full Load)                          | 1037                                                                                                                                                                                                                                   |
| AC Economy Mode Efficiency Rating (100% Load)               | 95%                                                                                                                                                                                                                                    |
| Audible Noise                                               | 50 dBA max, front-side @ 1m                                                                                                                                                                                                            |
| <b>COMMUNICATIONS</b>                                       |                                                                                                                                                                                                                                        |
| Network Management Cards                                    | &nbsp;<a class="productLink" href="//www.tripplite.com/Web-Management-Accessory-Card-WEBCARDLX">WEBCARDLX</a>&nbsp;                                                                                                                    |
| Network Monitoring Port Description                         | Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications                                                                                                              |
| PowerAlert Software                                         | For local monitoring via the UPS's built-in communication ports and modify the UPS Power Strategy settings download PowerAlert Local software at <a href="http://www.tripplite.com/poweralert">http://www.tripplite.com/poweralert</a> |
| Communications Cable                                        | USB and DB9 cabling included                                                                                                                                                                                                           |
| WatchDog Compatibility                                      | Supports Watchdog application, OS and hard-reboot restart options for remote applications                                                                                                                                              |
| Communications Interface                                    | Contact closure; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)                                                                                                                                 |
| <b>LINE / BATTERY TRANSFER</b>                              |                                                                                                                                                                                                                                        |
| Transfer Time                                               | No transfer time (0 ms.) in online, double-conversion mode                                                                                                                                                                             |
| Low Voltage Transfer to Battery Power (Setpoint)            | 80V (100% load), 70V (66% load), 60V (33% load)                                                                                                                                                                                        |
| High Voltage Transfer to Battery Power (Setpoint)           | 150                                                                                                                                                                                                                                    |
| <b>SPECIAL FEATURES</b>                                     |                                                                                                                                                                                                                                        |
| Grounding Lug                                               | Includes back-panel grounding lug                                                                                                                                                                                                      |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported                                                                                                                                                                                                         |
| High Availability UPS Features                              | Automatic inverter bypass; Hot swappable batteries; Auto Probe Monitoring and Reboot (requires WEBCARDLX); Zero transfer time; On-Line/Double-Conversion                                                                               |
| Green Energy-Saving Features                                | High efficiency economy mode operation; Individually controllable load banks; Schedulable daily hours of economy mode operation                                                                                                        |



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| STANDARDS & COMPLIANCE                                     |                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| UPS Certifications                                         | ENERGY STAR Qualified; Meets FCC Part 15 Category A (EMI); Tested to CSA (Canada); Tested to NOM (Mexico); Tested to UL1778 (USA) |
| UPS Certification Details                                  | UL1778 5TH; CSA 22.2-107.3-14; FCC CLASS A; ENERGY STAR Version 2.0 Qualified                                                     |
| WARRANTY                                                   |                                                                                                                                   |
| Product Warranty Period (Worldwide)                        | 2-year limited warranty                                                                                                           |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 <a class="insuranceLink" href="//www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a>            |

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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>