



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

## SmartOnline 200-240V 1.5kVA 1.2kW On-Line Double-Conversion UPS, Extended Run, SNMP, Webcard, 2U Rack/Tower, USB, DB9 Serial

MODEL NUMBER: **SUINT1500RTXL2UA**



### Description

Tripp Lite's SmartOnline SUINT1500RTXL2Ua online, double conversion UPS protects critical server, networking and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large capacity 1.5kVA/1200 watt UPS continuously converts incoming AC to DC, then back to perfect sine wave AC output at selectable 200/208/220/230/240V AC (+/-2%). Removes harmonic distortion, fast electrical impulses, frequency fluctuations and other hard-to-solve power problems not addressed by other UPS types. Pure sine wave output and zero transfer time to battery offers guaranteed compatibility with all equipment types. Highly efficient operation in optional Economy Mode setting, saving BTU heat output and energy costs. Includes 6 IEC-320-C13 outlets arranged in two individually switchable load banks of three outlets each. Load banks can be controlled independently via software interface to selectively reboot remote equipment or shed less important loads to extend battery runtime for critical equipment. Battery backup runtime can be extended through the addition of external battery packs BP48V24-2U (limit 1), BP48V60RT-3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible). Network management interfaces support simultaneous communications via USB port, DB9 serial port and SNMPWEBCARD slot. 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 utility power conditions via all 3 network interfaces simultaneously. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. Compatible with Tripp Lite's WatchDog software. 4-post rackmount accessories included; optional 2-9USTAND tower stand kit and 2POSTRMKITWM 2-post rack & wallmount accessories available. Field-replaceable, hot-swappable internal batteries and external battery packs. Attractive all-black color scheme.

### Features

- True online, 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 to battery
- Removes harmonic distortion, electrical impulses, frequency variations and other hard-to-solve power problems
- Accepts input voltages between 130 and 275V (between 160 and 275V at loads over 70%), regulating output to 200/208/220/230/240V +/-2%
- 1500VA / 1200 watt power capacity with 6 IEC-320-C13 output receptacles

### Highlights

- 1500VA / 1.5kVA / 1200 watt on-line double-conversion 2U rack/tower UPS
- 200/208/220/230/240V 50/60Hz output; High efficiency economy mode option
- Expandable runtime; Hot-swap batteries; 19 in / 48.3cm installed depth
- 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
- C14 inlet, C13 outlets, 2 C13 to C14 power cables included

### Package Includes

- SUINT1500RTXL2Ua Online Double-Conversion UPS System
- PowerAlert Software and Cabling
- Mounting Hardware
- Owner's Manual with Warranty Information
- 1-6ft. IEC-320-C13 to IEC-320-C14 interconnect cable and 1-10ft. IEC-320-C13 to IEC-320-C14 power connection cable



- IEC320-C14 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles
- 2 C13 to C14 output power cables included
- Standard internal battery set provides 12 minutes runtime at half load and 4.5 minutes runtime at full load
- Optional BP48V24-2U (limit 1), BP48V60RT-3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible) external battery packs
- Some external battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)
- Highly efficient operation in optional Economy Mode setting, saving BTU heat output and energy costs.
- Innovative design makes unit adaptable to rackmount, tower, or stacking applications
- Uses only 2 rack spaces (2U) in standard 19-inch rack
- Optional 2-9USTAND kit enables upright tower placement
- Optional 2POSTRMKITWM enables 2-post rackmount or wallmount installation
- Supports simultaneous communications via built-in USB port, DB9 serial port and SNMPWEBCARD slot
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Slot for optional SNMP/web card (Part Number: SNMPWEBCARD)
- PowerAlert unattended shutdown software and communications cabling included
- Compatible with Tripp Lite's WatchDog software
- Fault tolerant electronic bypass maintains utility output during a variety of UPS fault conditions
- Optional PDUBHV10 bypass PDU enables hot-swappable UPS replacement with no disruption to connected equipment
- Built-in Emergency Power Off (EPO) interface with cable
- Single-line tel/DSL or Ethernet network surge suppression
- Integrated 2-bank switched PDU enables remote outlet management for load shedding or remote reboot of individual load banks (each bank has 3 outlets)

## Specifications

| OUTPUT                                        |                                                                                    |
|-----------------------------------------------|------------------------------------------------------------------------------------|
| Output Volt Amp Capacity (VA)                 | 1500                                                                               |
| Output kVA Capacity (kVA)                     | 1.5                                                                                |
| Output Watt Capacity (Watts)                  | 1200                                                                               |
| Output kW Capacity (kW)                       | 1.2                                                                                |
| Power Factor                                  | 0.8                                                                                |
| Crest Factor                                  | 3:1                                                                                |
| Nominal Output Voltage(s) Supported           | 200V; 220V; 230V; 240V                                                             |
| Nominal Voltage Details                       | 230V default                                                                       |
| Frequency Compatibility                       | 50 / 60 Hz                                                                         |
| Frequency Compatibility Details               | Output frequency matches input nominal on startup, defaults to 50 Hz on cold-start |
| Output Voltage Regulation (Line Mode)         | +/- 2%                                                                             |
| Output Voltage Regulation (Economy Line Mode) | +/- 10%                                                                            |
| Output Voltage Regulation (Battery Mode)      | +/- 2%                                                                             |



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|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Output Receptacles                         | (6) C13                                                                                                                                                                                                                                                  |
| Included Output Power Cables               | Includes 2 C13 to C14 output power cables                                                                                                                                                                                                                |
| Load Management Receptacles                | Two switchable three-outlet C13 load banks                                                                                                                                                                                                               |
| Hot-Swap PDU options                       | PDUBHV10 (2U / 8 C13 outlets)                                                                                                                                                                                                                            |
| Output AC Waveform (AC Mode)               | Sine wave                                                                                                                                                                                                                                                |
| Output AC Waveform (Battery Mode)          | Pure Sine wave                                                                                                                                                                                                                                           |
| <b>INPUT</b>                               |                                                                                                                                                                                                                                                          |
| Rated input current (Maximum Load)         | 6.4A                                                                                                                                                                                                                                                     |
| Nominal Input Voltage(s) Supported         | 200V AC; 220V AC; 230V AC; 240V AC                                                                                                                                                                                                                       |
| UPS Input Connection Type                  | C14 inlet                                                                                                                                                                                                                                                |
| UPS Input Connection Description           | IEC320-C14 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles                                                                                                                                  |
| Input Circuit Breakers                     | 10A                                                                                                                                                                                                                                                      |
| Input Phase                                | Single-Phase                                                                                                                                                                                                                                             |
| <b>BATTERY</b>                             |                                                                                                                                                                                                                                                          |
| Full Load Runtime (min.)                   | 4.5 min. (1200w)                                                                                                                                                                                                                                         |
| Half Load Runtime (min.)                   | 12 min. (600w)                                                                                                                                                                                                                                           |
| Expandable Battery Runtime                 | Extended runtime supported via optional external battery packs                                                                                                                                                                                           |
| External Battery Pack Compatibility        | BP48V24-2U (limit 1); BP48V60RT-3U (multi-pack compatible); BP48V27-2US (multi-pack compatible)                                                                                                                                                          |
| DC System Voltage (VDC)                    | 48                                                                                                                                                                                                                                                       |
| Battery Recharge Rate (Included Batteries) | Less than 6 hours from 10% to 80% (typical, full load discharge)                                                                                                                                                                                         |
| Internal UPS Replacement Battery Cartridge | RBC94-2U                                                                                                                                                                                                                                                 |
| Battery Access                             | Front panel battery access door                                                                                                                                                                                                                          |
| Battery Replacement Description            | Hot-swappable, user replaceable batteries                                                                                                                                                                                                                |
| <b>VOLTAGE REGULATION</b>                  |                                                                                                                                                                                                                                                          |
| Voltage Regulation Description             | Online, double-conversion power conditioning                                                                                                                                                                                                             |
| Overvoltage Correction                     | 2% output voltage regulation during overvoltages to 275                                                                                                                                                                                                  |
| Undervoltage Correction                    | 2% output voltage regulation during undervoltages to 156                                                                                                                                                                                                 |
| Severe Undervoltage Correction             | 2% output voltage regulation during undervoltages to 130 (under 70% load only)                                                                                                                                                                           |
| <b>LEDs ALARMS &amp; SWITCHES</b>          |                                                                                                                                                                                                                                                          |
| 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 |



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| Audible Alarm                                                 | 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                                         |
| <b>SURGE / NOISE SUPPRESSION</b>                              |                                                                                                                     |
| UPS AC Suppression Joule Rating                               | 480                                                                                                                 |
| UPS AC Suppression Response Time                              | Instantaneous                                                                                                       |
| EMI / RFI AC Noise Suppression                                | Yes                                                                                                                 |
| <b>PHYSICAL</b>                                               |                                                                                                                     |
| Included Mounting Accessory Description                       | 4 post rackmount installation accessories included                                                                  |
| Installation Form Factors Supported with Optional Accessories | 2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND)                                        |
| Primary Form Factor                                           | Rackmount                                                                                                           |
| UPS Power Module Dimensions (hwd, in.)                        | 3.5 x 17.5 x 19                                                                                                     |
| UPS Power Module Dimensions (hwd, cm)                         | 8.9 x 44.4 x 48.3                                                                                                   |
| Rack Height (U Spaces)                                        | 2                                                                                                                   |
| UPS Power Module Weight (lbs.)                                | 47.5                                                                                                                |
| UPS Power Module Weight (kg)                                  | 21.6                                                                                                                |
| UPS Shipping Dimensions (hwd / in.)                           | 9.8 x 20.2 x 24                                                                                                     |
| UPS Shipping Dimensions (hwd / cm)                            | 24.8 x 51.4 x 61                                                                                                    |
| Shipping Weight (lbs.)                                        | 60                                                                                                                  |
| Shipping Weight (kg)                                          | 27.2                                                                                                                |
| Cooling Method                                                | Fan                                                                                                                 |
| UPS Housing Material                                          | Steel                                                                                                               |
| <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                                             | 0 to 95%, non-condensing                                                                                            |
| AC Mode BTU / Hr. (Full Load)                                 | 664.2                                                                                                               |
| AC Economy Mode BTU / Hr. (Full Load)                         | 260.4                                                                                                               |
| Battery Mode BTU / Hr. (Full Load)                            | 664.2                                                                                                               |



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| AC Mode Efficiency Rating (100% Load)                       | 86%                                                                                                                             |
| AC Economy Mode Efficiency Rating (100% Load)               | 94%                                                                                                                             |
| Audible Noise                                               | 45dBA At Front Side 1 Meter                                                                                                     |
| <b>COMMUNICATIONS</b>                                       |                                                                                                                                 |
| 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                                       |
| <b>LINE / BATTERY TRANSFER</b>                              |                                                                                                                                 |
| Transfer Time                                               | No transfer time (0 ms.) in online, double-conversion mode                                                                      |
| Low Voltage Transfer to Battery Power (Setpoint)            | 160V (100% load), 130V ( <70% load)                                                                                             |
| High Voltage Transfer to Battery Power (Setpoint)           | 275                                                                                                                             |
| <b>SPECIAL FEATURES</b>                                     |                                                                                                                                 |
| 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 |
| <b>CERTIFICATIONS</b>                                       |                                                                                                                                 |
| UPS Certifications                                          | CE                                                                                                                              |
| UPS Certification Details                                   | Kuwait, EMI Approvals: EN62040-2                                                                                                |
| <b>WARRANTY</b>                                             |                                                                                                                                 |
| Product Warranty Period (Worldwide)                         | 2-year limited warranty                                                                                                         |

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