

SmartOnline 1.5kVA On-Line Double-Conversion UPS, Pre-installed SNMPWEBCARD, 2U Rack/Tower, 100/110/120V NEMA outlets

MODEL NUMBER: **SU1500RTXL2UN**



Description

Tripp Lite Smart Online UPS systems offer high performance power protection ideal for critical server and network equipment in datacenters, computer rooms and network closets. Online, double-conversion Uninterruptible Power Supply (UPS) maintains perfectly regulated output power by continuously converting raw AC input to DC, then re-converting output back to AC. Fully regulated sine wave AC output with +/-2% voltage regulation powers network equipment continuously, even during severe brownouts and overvoltages, all without depleting UPS battery reserves. Maintains battery-derived AC output during power failures with zero transfer

time. Extended runtime options available. High 97% efficient operation in optional economy mode saves BTU heat output and energy costs. Network management interfaces support communications via USB, RS-232, contact-closure and PRE-INSTALLED SNMPWEBCARD network interface. Built-in DB9 port offers both enhanced RS-232 data and basic contact closure monitoring ability. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. LED display reports UPS operating mode, line power availability, battery mode operation, inverter operation and output power availability. Audible alarm with push-button momentary alarm-cancel. Programmable self-test. Battery independent restart. Fault-tolerant auto-bypass mode. Field-replaceable, hot-swappable internal batteries and external battery packs.

Features

- Tripp Lite SU1500RTXL2UN 1500VA / 1.5kVA / 1200W on-line, double-conversion 2U rackmount UPS
- Selectable 100/110/120V output (120V factory preset)
- NEMA 5-15P input, 6 NEMA 5-15R
- Two switched load banks support remote reboot or programmable load shedding options
- Supports 2% output voltage regulation and zero transfer time in double conversion mode
- Economy mode option offers enhanced 97% efficiency operation, reduced power consumption and lower BTU emissions
- 14 minutes runtime at 50% load (600W) and 5 minutes at 100% load (1200W) with internal batteries
- BP48V24-2U (limit 1), BP48V60RT-3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible) external battery packs available (some configurations require Tripp Lite's External Battery Configuration Software)

Highlights

- 1500VA / 1.5kVA / 1200 watt on-line double-conversion 2U rack/tower UPS
- 100/110/120V +/-2% output at 50/60Hz, High 97% efficiency economy mode option
- Expandable runtime, Hot-swap batteries; 19 in / 48.3cm installed depth
- USB, RS232, EPO and PRE-INSTALLED SNMPWEBCARD
- Front panel status LEDs with detailed load and battery metering
- 2 independently switchable output load banks
- NEMA 5-15P input; 5-15R outlets

Package Includes

- SU1500RTXL2UN UPS with Pre-installed SNMPWEBCARD
- PowerAlert Software and cabling
- Mounting hardware for 4 post rack enclosures
- Instruction manual



- LED Display reports UPS operating mode, line power availability, battery mode operation, inverter status and output power availability
- Audible alarm with push-button momentary alarm-cancel
- 4 post installation hardware included, Optional 2POSTRMKITWM enables 2 post rack installation
- Single line TEL / Network surge suppression
- Electronic bypass maintains utility output during a variety of UPS fault conditions
- Battery independent restart ensures automatic UPS power-up without user interaction after lengthy power outages, even when batteries are expired and require replacement
- Built-in USB, RS-232, contact-closure and SNMPWEBCARD network interface
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Included PowerAlert UPS monitoring software

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 | 100V; 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% |
| UPS Output Receptacles | 6 5-15R outlet(s) |
| Load Management Receptacles | Two switchable 5-15R load banks (bank 1 - two outlets, bank 2 - four outlets) |
| Output AC Waveform (AC Mode) | Sine wave |
| Output AC Waveform (Battery Mode) | Pure Sine wave |
| INPUT | |
| Rated input current (Maximum Load) | 12A |
| Nominal Input Voltage(s) Supported | 100V AC; 110V AC; 120V AC |



| | |
|--|--|
| UPS Input Connection Type | 5-15P |
| Input Circuit Breakers | 20A |
| UPS Input Cord Length (ft.) | 10 |
| UPS Input Cord Length (m) | 3 |
| Recommended Electrical Service | 15A 120V |
| Input Phase | Single-Phase |
| BATTERY | |
| Full Load Runtime (min.) | 5 min. (1200w) |
| Half Load Runtime (min.) | 14 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 |
| 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) |
| LEDS ALARMS & SWITCHES | |
| LED Indicators | 14 LEDs indicate line power, online mode, economy/bypass mode, on-battery, overload, battery low, replace battery and fault status information; 4-LED meter displays load and battery charge levels; LED panel rotates for viewing in rack/tower formats |
| 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 |
| SURGE / NOISE SUPPRESSION | |
| UPS AC Suppression Joule Rating | 600 |
| UPS AC Suppression Response Time | Instantaneous |
| UPS Dataline Suppression | 1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet |



| | |
|---|--|
| EMI / RFI AC Noise Suppression | Yes |
| PHYSICAL | |
| Included Mounting Accessory Description | Includes 4 post rackmount installation accessories |
| 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 | 2U |
| UPS Power Module Weight (lbs.) | 44.1 |
| UPS Power Module Weight (kg) | 20 |
| 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.) | 54 |
| Shipping Weight (kg) | 24.5 |
| Cooling Method | Fan |
| UPS Housing Material | Steel |
| 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) | 609.7 |
| COMMUNICATIONS | |
| Communications Interface | USB (HID enabled); DB9 Serial; Contact closure; EPO (emergency power off); Slot for SNMP/Web interface |
| Network Monitoring Port Description | Includes PRE-INSTALLED SNMPWEBCARD interface card. Supports detailed monitoring of UPS and site power conditions |
| PowerAlert Software | Included |
| Communications Cable | USB and DB9 cabling included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| LINE / BATTERY TRANSFER | |
| Transfer Time | No transfer time (0 ms.) in online, double-conversion mode |



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 |

© 2014 Tripp Lite. All rights reserved. All trademarks are the sole property of their respective owners. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Photos may differ slightly from final products.