

SmartOnline 230V 1.5kVA 1.2kW Double-Conversion UPS, 2U Rack/Tower, Extended Run, Network Card Options, 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 slot for network management card options. 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. PowerAlert monitoring software is available via free download. Emergency Power Off (EPO) interface. Compatible with Tripp Lite's WatchDog software. 4-post rackmount accessories included; optional [2-9U STAND](#) 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; Network management 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
- USB, DB9 and EPO 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
- Intelligent battery management system extends battery life
- 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 slot for network management card options
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Compatible with Tripp Lite UPS management card options [TLNETCARD](#), [WEBCARDLX](#), [SNMPWEBCARD](#), [MODBUSCARD](#) and [RELAYIOCARD](#)
- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from www.tripplite.com/poweralert
- 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
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
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



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

Output Voltage Regulation (Line Mode)	+/- 2%
Output Voltage Regulation (Economy Line Mode)	+/- 10%
Output Voltage Regulation (Battery Mode)	+/- 2%
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
INPUT	
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
BATTERY	
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
Expandable Runtime	Yes
VOLTAGE REGULATION	
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)
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	480
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
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)	8.89 x 44.45 x 48.26
Rack Height (U Spaces)	2
Minimum Required Rack Depth (inches)	26
Minimum Required Rack Depth (cm)	66.04
UPS Power Module Weight (lbs.)	47.5
UPS Power Module Weight (kg)	21.55
UPS Shipping Dimensions (hwd / in.)	9.8 x 20.2 x 24
UPS Shipping Dimensions (hwd / cm)	24.89 x 51.31 x 60.96
Shipping Weight (lbs.)	60
Shipping Weight (kg)	27.2
Cooling Method	Fan
UPS Housing Material	Steel



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

Minimum Required Rack Depth (mm)	660
Primary UPS Height (mm)	89
Primary UPS Width (mm)	444
Primary UPS Depth (mm)	483
Shipping Height (mm)	249
Shipping Width (mm)	513
Shipping Depth (mm)	610
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)	612
Battery Mode BTU / Hr. (Full Load)	721
AC Mode Efficiency Rating (100% Load)	86%
AC Economy Mode Efficiency Rating (100% Load)	94%
Audible Noise	45dBA At Front Side 1 Meter
COMMUNICATIONS	
Communications Interface	USB (HID enabled); DB9 Serial; Contact closure; EPO (emergency power off); Slot for SNMP/Web interface
Network Management Cards	SNMPWEBCARD ; TLNETCARD ; WEBCARDLX ; MODBUSCARD ; RELAYIOCARD
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications; Economy-mode setting option is available using PowerAlert software and DB9 Serial cable connection OR via select Network Management Card options
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
Low Voltage Transfer to Battery Power (Setpoint)	160V (100% load), 130V (<70% load)
High Voltage Transfer to Battery Power (Setpoint)	275
SPECIAL FEATURES	



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

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	CE
UPS Certification Details	Kuwait, EMI Approvals: EN62040-2
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

© 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>

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Tripp Lite:](#)

[SUINT1500RTXL2U](#)