

## 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 2-9USTAND 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

### 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



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- 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
- 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](http://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)



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## Specifications

OVERVIEW	
UPC Code	037332126528
UPS Type	On-Line
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
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 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%
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



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Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	200V; 220V; 230V; 240V
Output Receptacles	(6) C13
Individually Controllable Load Banks	Yes
<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
Expandable Runtime	Yes
External Battery Pack Compatibility	<a href="#">BP48V24-2U</a> > <a href="#">BP48V24-2U</a> </a> &nbsp; (limit 1); &nbsp; <a href="#">BP48V60RT-3U</a> > <a href="#">BP48V60RT-3U</a> </a> &nbsp; (multi-pack compatible); &nbsp; <a href="#">BP48V27-2US</a> > <a href="#">BP48V27-2US</a> </a> &nbsp; (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)
Battery Access	Front panel battery access door
Internal UPS Replacement Battery Cartridge	<a href="#">RBC94-2U</a> > <a href="#">RBC94-2U</a> </a> &nbsp;
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>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
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
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC Suppression Joule Rating	480



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UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
<b>PHYSICAL</b>	
Cooling Method	Fan
Included Mounting Accessory Description	4 post rackmount installation accessories included
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 rackmount</a> ); Wallmount ( <a href="http://www.tripplite.com/2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM">2 post rackmount</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 (cm)	66.04
Minimum Required Rack Depth (inches)	26
Primary Form Factor	Rackmount
Primary UPS Depth (mm)	483
Primary UPS Height (mm)	89
Primary UPS Width (mm)	445
Rack Height	2U
Shipping Dimensions (hwd / cm)	21.84 x 59.44 x 50.29
Shipping Dimensions (hwd / in.)	8.60 x 23.40 x 19.80
Shipping Weight (kg)	26.58
Shipping Weight (lbs.)	58.60
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	8.89 x 44.45 x 48.26
UPS Power Module Dimensions (hwd, in.)	3.5 x 17.5 x 19
UPS Power Module Weight (kg)	21.55
UPS Power Module Weight (lbs.)	47.5
<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)	612
Battery Mode BTU / Hr. (Full Load)	721
AC Mode Efficiency Rating (100% Load)	86%



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AC Economy Mode Efficiency Rating (100% Load)	94%
Audible Noise	45dBA At Front Side 1 Meter
<b>COMMUNICATIONS</b>	
Network Management Cards	<a href="#">SNMPWEBCARD</a> & <a href="#">TLNETCARD</a> & <a href="#">WEBCARDLX</a> & <a href="#">MODBUSCARD</a> & <a href="#">RELAYIOCARD</a>
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 <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	USB (HID enabled); DB9 Serial; Contact closure; EPO (emergency power off); Slot for SNMP/Web interface
<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>STANDARDS &amp; COMPLIANCE</b>	
UPS Certifications	CE
Certification Details	Kuwait, EMI Approvals: EN62040-2
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	2-year limited warranty

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