Smart Online Expandable Rack / Tower UPS System - Online, double-conversion protection for mission critical applications

MODEL NUMBER: **SU1000RTXL2U**

Description

Tripp Lite's Smart Online SU1000RTXL2U online, double conversion UPS protects critical server, networking and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Multi-use form factor occupies only 2 rack spaces (2U) in standard 19 inch rackmount configuration and includes tower stands to support upright placement. Large capacity 1kVA/800 watt UPS continuously converts incoming AC to DC, then back to perfect sine wave AC output at 120V AC (+/-2%). Removes harmonic distortion, fast electrical impulses, frequency fluctuations and other hard-to-solve power problems not addressed by other UPS types. True sine wave output and zero transfer time offers guaranteed compatibility with all equipment types. Includes 6 outlets arranged in two individually switchable load banks that can be independently controlled via software interface to selectively reboot remote equipment, or shed less critical loads to extend battery runtime for more critical equipment. Battery support can be extended indefinitely through the addition of external 2U rackmount battery packs (part# BP36V142U). Includes slot for internal SNMP/web card, plus DB9 enhanced serial monitoring port for unattended shutdown, remote control and monitoring of UPS system and power data. Compatible with Tripp Lite's Watchdog system service software.

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
- Removes harmonic distortion, electrical impulses, frequency variations and other hard to solve power problems
- Accepts input voltages between 80 and 138 (65 to 138 at loads under 70%), regulating output to 120v +/-2%
- 1000VA/800 watt power capacity with 6 NEMA 5-15R outlets
- Standard internal battery set provides 18 minutes runtime at half load
- Expandable runtime with multiple external battery packs (part# BP36V142U)
- Innovative design makes unit adaptable for rackmount or tower applications
- Uses only 2 rack spaces (2U) in standard 19 inch rack
- Fault tolerant auto-bypass maintians continuous utility output to connected equipment, even in cases where the UPS is overloaded or suffers an internal failure that requires service
- DB9 serial port for network interface; SNMP compatible
- Slot for optional SNMP/web card (part# SNMPWEBCARD)
- PowerAlert unattended shutdown software and 6 ft. network cable included
- Compatible with Tripp Lite's Watchdog system service software
- Diagnostic LEDs
- Battery replacement door
- Mounting hardware included for 4 post rack enclosures, 2 post telecom rack compatible with separate purchase 2POSTRMKIT accessory
- 2 year manufacturers product warranty
- $250,000 Ultimate Lifetime connected equipment insur

Highlights

- 1000VA online 2U expandable rack/tower UPS
- Enhanced serial communications port and SNMP/Web card slot
- Maintains 120V +/-2% output during overvoltages to 138V and brownouts as low as 65V
- 2 load banks, 6 outlets
- Fault tolerant auto-bypass
- $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Package Includes

- SU1000RTXL2U Online Double-Conversion UPS System
- PowerAlert Software and cabling
- Mounting hardware for 4 post rack enclosures, tower stands
- Instruction manual with warranty information

Specifications

OVERVIEW

UPC Code	037332117953
INPUT	
Input Phase	Single-Phase
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
UPS Input Cord Length (ft.)	6
UPS Input Cord Length (m)	1.8
Recommended Electrical Service	15A 120V
Maximum Input Amps	8.6
Maximum Input Watts	955
Input Connection Type	NEMA 5-15P
Voltage Compatibility (VAC)	120
OUTPUT	
Output Capacity (VA)	1000
Frequency Compatibility	50 / 60 Hz
Output (Watts)	800
Output Nominal Voltage	120V AC
Output Voltage Regulation	Maintains full-time sine wave output within 2% of 120V, less than 5% total harmonic distortion
Output Frequency Regulation	Regulates line frequency to 50/60Hz +/- 0.05Hz
Overload Protection	15A input breaker
Customized Load Management Receptacles	"2 individually controllable load banks support automated load shedding and remote reboot on demand of locked network devices. Configurable via PowerAlert software to automatically switch off optional loads, like monitors, to increase available runtime for servers and other critical devices. (bank A consists of 4 outlets / bank B consists of 2 outlets)"
BATTERY	
Runtime Full Load (min.)	6 min.
Runtime Half Load (min.)	18 min.
Expandable Runtime	Yes
Expandable Runtime Description	Supports extended runtime with optional external battery pack BP36V142u (multi-pack compatible)
DC System Voltage (VDC)	36
Battery Access	User replaceable, hot swap battery replacement supported via front access panel
Battery Pack Accessory (Optional)	BP36V142U (optional)
Typical Battery Lifespan	3-6 years, depending on usage
Battery Charge	2-4 hours to 90%
VOLTAGE REGULATION	

Voltage Regulation Description	On-line, double-conversion power conditioning maintains output within 2% of 120 volts at all times
Overvoltage Correction	Maintains output of 120V +/-2% during overvoltages to 138V AC
Brownout Correction	Maintains output of 120V +/-2% during undervoltages to 80V AC
Severe Brownout Correction	At load levels less than 70%, UPS maintains output of 120V +/-2% during undervoltages to 65V AC
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LEDs	6 LED STATUS DISPLAY: line power (green), online (green), bypass (yellow), on battery (green), overload (red), battery low (yellow) 4 LED LOAD / BATTERY LEVEL DISPLAY (100%, 75%, 50%, 25%)
Switches	Includes main power off/on switch, plus 1 switch to select battery charge / load level display
Audible Alarm	Multi-function audible alarm offers notification of UPS start, backup operation, low battery warning, overload, UPS fault and remote shutdown
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	480
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Rackmount; Tower
Material of Construction	Steel
Cooling Method	Built-in cooling fan
Form Factors Supported	Supports 2U rackmount installation in 4 post rack enclosures. 2 post rackmount installation supported with optional 2POSTRMKIT. Upright tower installation supported with included tower stands
Shipping Dimensions (hwd / in.)	10.20 x 23.50 x 24.50
Shipping Dimensions (hwd / cm)	25.91 x 59.69 x 62.23
Shipping Weight (lbs.)	63.60
Shipping Weight (kg)	28.85
Unit Dimensions (hwd / in.)	3.500 x 17.500 x 19.000
Unit Dimensions (hwd / cm)	8.89 x 44.5 x 47
Unit Weight (lbs.)	41
Unit Weight (kg)	18.60
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
COMMUNICATIONS	
WatchDog Compatibility	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment—ideal for unattended kiosk applications
Network Monitoring Port	Built-in DB9 port offers both enhanced RS-232 enable monitoring data, plus contact closure monitoring ability
EPO Port	Supports "Emergency Power Off" via special-order cabling, contact Tripp Lite for more information

SNMP Compatibility	Yes, includes slot for optional SNMPWEBCARD accessory (#SNMPWEBCARD)
LINE / BATTERY TRANSFER	
Transfer Time (Line Power to Battery Mode)	Zero, online UPS continuously converts incoming AC to DC, then back to AC. When commercial power is interrupted, UPS maintains continuous output from battery reserves with absolutely no disruption in output AC power.
Low Voltage Transfer to Battery Power	Maintains continuous operation during undervoltages as low as 80V (65V at load levels under 70%). Below this switchover point, output is supported from battery derived AC power.
High Voltage Transfer to Battery Power	Maintains continuous operation without using battery power during overvoltages to 138V. Above this point, output is supported from battery derived AC power.
FEATURES & SPECIFICATIONS	
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
APPLICATIONS	
UPS Applications	Large Network
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty
Optional Coverage	3-5 year warranties, plus next day and on-site warranty coverage available for select opportunities. Contact Tripp Lite for additional information.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

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