Tripp Lite
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SmartOnline 200-240V 3kVA 2.4kW On-Line Double-Conversion UPS, Extended Run, SNMP, Webcard, 3U Rack/Tower, USB, DB9 Serial

MODEL NUMBER: **SUINT3000RTXL3U**





Highlights

- 3000VA / 3kVA / 2400 watt online, double conversion 3U rack / tower UPS
- 200/220/230/240V 50/60Hz output
- Expandable runtime; Hot-swap batteries; 19.8 in / 50.3cm installed depth
- 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
- C20 inlet, C13 & C19 outlets, 1 C19 to C20 and 2 C13 to C14 power cables included

Package Includes

- SUINT3000RTXL3U Rack/Tower UPS System
- PowerAlert Software and cabling
- 4 Post Rackmount installation flanges and adjustable depth mounting rails/or tower stands for upright tower configuration
- (2)6ft IEC320-C13 to IEC320-C14, (1)10ft. IEC320-C19 to IEC320-C20 AC interconnection cables
- Warranty information and instruction manual

Description

Tripp Lite's SUINT3000RTXL3U UPS System offers complete power conditioning and battery support for critical fileservers and internetworking equipment in a versatile 3U rack/tower configuration. Offers compatibility with 200/208/220/230/240V applications at 50/60Hz. Double conversion power conditioning process removes line noise, voltage fluctuations and frequency variations by converting incoming AC to DC, then back to universally compatible pure sine wave AC output. Standard internal batteries offer seamless support of connected equipment during power failures with zero transfer time. Support through extended power failures is available with the addition of 2U rack/tower compatible battery packs BP72V15-2U (limit 1), BP72V28RT-3U (multi-pack compatible) and BP72V18-2US (multi-pack compatible). Maintains continuous output over an input range of 160 to 275V without depleting battery reserves. Brownout support extends to 130V when loaded to 70% or less. Intelligent DB9 monitoring port works with included PowerAlert software and cabling for unattended shutdown and remote monitoring of UPS and site power conditions. Network accessory slot houses optional SNMPWEBCARD accessory for direct control and monitoring via ethernet. Includes 10 outlets total, 8 of which are arranged in two customized load management banks that can be remotely powered off and on via software interface to reboot locked equipment or extend battery runtime for more critical equipment by shedding non-essential loads. C20 input connection accepts a variety of detachable cordsets to match country- or site-specific wall receptacles. 3000VA/2400W power-handling ability with full CE rating and Class A EMI/RFI rating supports a wide range of fileservers and internetworking equipment, plus other sensitive loads requiring full-time power conditioning, regulation and battery support. Compatible with Tripp Lite's WatchDog system service software.

Features

- True online, double-conversion power conditioning offers enhanced, network-grade pure sine wave AC power for critical fileservers, internetworking equipment and sensitive electronics
- Maintains output within 2% of selectable 200/208/220/230/240V at 50/60Hz (+/-0.05Hz)
- Neutralizes frequency variations, fast electrical impulses, harmonics and other hard-to-solve power problems not addressed by other UPS types
- Versatile rack/tower format requires only 3 rack spaces (3U) in rackmount applications; included tower stand set supports upright configuration

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- Maintains AC output at near-perfect levels even during long-duration brownouts as low as 160V and overvoltages to 275V without using battery power. Brownout support extends to 130V when loaded to 70% or less
- Set of internal batteries supports connected equipment during power failures for 14 minutes at half load (1500VA/1200W) and 5 minutes at full load (3000VA/2400W)
- Expandable battery runtime with the addition of external battery packs BP72V15-2U (limit 1), BP72V28RT-3U (multi-pack compatible) and BP72V18-2US (multi-pack compatible)
- Intelligent DB9 monitoring port communicates site power and UPS status information including line power status, input voltage, battery status, load level and more - with full support for applications requiring basic contact closure power-fail and low-battery messaging
- FREE bundled PowerAlert software compatible with stand-alone and network operating systems offers unattended shutdown, remote monitoring and control of UPS system and connected equipment
- Slot for SNMPWEBCARD enables remote monitoring and UPS control via network management stations or web browser interface (#SNMPWEBCARD)
- Emergency Power Off (EPO) support available; contact Tripp Lite
- Includes 10 outlets (8 IEC320-C13 and 2 IEC320-C19)
- 1 C19 to C20 and 2 C13 to C14 power cables included
- Two separate banks of individually controllable outlets enable remote reboot of locked network equipment without disrupting power to other loads; accessible via PowerAlert, NMS or enabled web browser - also supports automatic load shedding of non-essential items to extend battery runtime for critical equipment
- Compatible with Tripp Lite's WatchDog system service software
- Fault tolerant electronic bypass maintains utility output during a variety of UPS fault conditions
- Front panel LEDs and audible alarm provide notification of power status and full UPS status information
- Optional 2POSTRMKITHD enables 2 post rackmount installation
- Optional PDUBHV20 bypass PDU enables hot-swappable UPS replacement with no disruption to connected equipment
- CE Certified

Specifications

OUTPUT	
Output Capacity Details	Supports up to 105% load continuously in double conversion mode, 106 to 125% for 1 minute, 126% to 150% for 30 seconds; Loads over 150% trigger immediate bypass mode operation to support loads directly from mains power
Output Volt Amp Capacity (VA)	3000
Output kVA Capacity (kVA)	3
Output Watt Capacity (Watts)	2400
Output kW Capacity (kW)	2.4
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%
Output Receptacles	(8) C13; (2) C19
Included Output Power Cables	Includes 1 C19 to C20 and 2 C13 to C14 output power cables
Load Management Receptacles	Two switchable four-outlet C13 load banks
Output Circuit Breakers	10A (x2) each breaker protects 4 C13 outlets, C19 is unbreakered
Hot-Swap PDU options	PDUBHV20 (2U / 6 C13, 2 C19 outlets)
Output AC Waveform (AC Mode)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
INPUT	
Rated input current (Maximum Load)	14.9A (200V),14.3A (208V). 13.1A (220V), 12.6A (230V), 12.1A (240V)
Nominal Input Voltage(s) Supported	200V AC; 220V AC; 230V AC; 240V AC
UPS Input Connection Type	C20 inlet
UPS Input Connection Description	Supports a variety of user supplied input power cables
Input Circuit Breakers	25A
Input Phase	Single-Phase
BATTERY	
Full Load Runtime (min.)	5 min. (2400w)
Half Load Runtime (min.)	14 min. (1200w)
Expandable Battery Runtime	Supports extended runtime with optional external battery packs
External Battery Pack Compatibility	BP72V15-2U (limit 1); BP72V28RT-3U (multi-pack compatible); BP72V18-2US (multi-pack compatible)
DC System Voltage (VDC)	72
Battery Recharge Rate (Included Batteries)	Less than 6 hours from 10% to 80% (typical, full load discharge)
Internal UPS Replacement Battery Cartridge	RBC53 (quantity 2)
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 275

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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 (2POSTRMKITHD); Tower (2-9USTAND)
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	5.2 x 17.3 x 19.8
UPS Power Module Dimensions (hwd, cm)	13.2 x 43.9 x 50.3
Rack Height (U Spaces)	3
UPS Power Module Weight (lbs.)	74.9
UPS Power Module Weight (kg)	34
UPS Shipping Dimensions (hwd / in.)	13.3 x 23.8 x 25.8
UPS Shipping Dimensions (hwd / cm)	33.8 x 60.5 x 65.5
Shipping Weight (lbs.)	90.3
Shipping Weight (kg)	41
Cooling Method	Fan
UPS Housing Material	Steel
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius

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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)	1219.3
AC Economy Mode BTU / Hr. (Full Load)	520.9
AC Mode Efficiency Rating (100% Load)	87%
AC Economy Mode Efficiency Rating (100% Load)	94%
Audible Noise	47dBA At Front Side 1 Meter
COMMUNICATIONS	
Communications Interface	DB9 Serial; Contact closure; 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	DB9 cable 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	
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
CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); CE
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

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