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Model #: SUINT3000RTXL3U

SmartOnline UPS System - True online power protection for mission-critical applications

Highlights



- 3000VA online, double conversion 3U rack / tower UPS
- Enhanced serial communications port and SNMP/Web card slot
- Maintains 200/208/220/230/240V +/-2% output during overvoltages to 277 and brownouts as low as 130V
- 10 outlets (8 IEC-320-C13, 2 IEC320-C19)
- Fault tolerant auto-bypass
- 2 year warranty

Description

Tripp Lite's SUINT3000RTXL3U UPS System offers complete power conditioning and battery support for critical file servers 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/BP72V28-3U 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 file servers 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.

Applications

Ideal for protection of critical equipment in server rooms, internetworking closets and telecommunications systems in rackmount or tower applications.

Common applications include corporate or departmental servers, workstations, hubs, routers, bridges, CAD/CAM workstations, concentrators, IP telephony and traditional PBX switching systems.

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

Features

True online, double-conversion power conditioning offers enhanced, network-grade pure sine wave AC power for critical file servers, 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

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 2U or 3U rack/tower battery packs (#BP72V15-2U limit 1/BP72V28-3U 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) and one IEC320-C20-to-C19 interconnection cable (additional C13-to-C14 interconnection cables #P004-006 available)

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 auto-bypass maintains continuous utility output to connected equipment, even in cases where the UPS is overloaded or suffers an internal failure that requires service

Front panel LEDs and audible alarm provide notification of power status and full UPS status information

From the same family as Tripp Lite's SmartOnline SU2200RT2U, named "Editors' Choice" by *PC Magazine*, Sept 25, 2001

CE Certified

2-year manufacturer's warranty

Specifications

| SYSTEM OVERVIEW | |
|---|--|
| Voltage compatibility | 200, 208, 220, 230, 240V (selectable) |
| Frequency compatibility | 50/60 Hz auto-sensing |
| OUTPUT | |
| Output VA | 3000 |
| Output watts | 2400 |
| Output nominal voltage | 200, 208, 220, 230, 240V (selectable) |
| Output voltage regulation | Full-time sine wave output within 2% of selected nominal, 5% max THD |
| Output frequency regulation | Yes, output is locked to 50/60Hz +/-0.05Hz |
| Outlet quantity / type | 8 IEC-C13 & 2 IEC-C19 |
| Customized load management receptacles | Yes; includes 2 individually controllable banks of 4 outlets to momentarily reboot locked network items on-demand or extend battery runtime by shutting off non-essential items during battery operation. Configurable by PowerAlert and Watchdog system software. |
| Overload protection | 25A input breaker, Dual 10A output breakers |
| INPUT | |
| Maximum input amps | 14.9A-200V / 14.3A-208V / 13.1A-220V / 12.6A-230V / 12.1A-240V / 2844W max. |
| Input connection type | IEC-C20 |

| | |
|---------------------------------------|---|
| Input cord length | Unit is packed with one 10-ft. IEC320-C19 to C20 interconnection cable (additional C13 to C14 interconnection cables available, part #P004-006) |
| Recommended Electrical Service | Input must be capable of providing approximately 15 amps at 200-240V AC nominal levels when used to full capacity |
| BATTERY | |
| Full load runtime | Internal batteries — 5 min. (3000VA) expandable |
| Half load runtime | Internal batteries — 14 min. (1500VA) expandable |
| Expandable battery runtime | Yes; uses optional battery pack BP72V15-2U (limit 1) or BP72V28-3U (multi-pack compatible) |
| DC system voltage | 72V DC |
| Typical battery lifespan | Typical lifespan of 3-6 years before battery replacement is required |
| Battery recharge rate | Recharges internal batteries to 90% in 2-4 hours |
| Replacement Battery Cartridge | RBC53 (quantity 2) |
| VOLTAGE REGULATION | |
| Voltage regulation description | Online, double-conversion process give this UPS the ability to maintain output voltage within +/-2% of selected nominal voltage at all times |
| Overvoltage correction | Maintains continuous operation without using battery power during overvoltage conditions to 275V AC, decreasing output within 2% of selected nominal |
| Brownout correction | Maintains continuous operation without using battery power during brownout/undervoltage conditions to 160V AC, increasing output within 2% of selected nominal |
| Severe brownout correction | At load levels less than 70% (under 2100VA/1680W), UPS maintains continuous output during undervoltages to 130V AC, increasing output within 2% of selected nominal |
| LEDS ALARMS & SWITCHES | |
| Front panel LEDs | 6 LED STATUS DISPLAY: Provides notification of UPS operating mode 4 LED LOAD / BATTERY LEVEL DISPLAY: Offers notification load and battery level ADDITIONAL INDICATORS offer notification of FAULT and REPLACE BATTERY STATUS |
| Alarms | Multi-function audible alarm provided notification of UPS start, backup operation, low battery warning, overload, UPS fault and remote shutdown |
| Switches | Includes main power off/on switch, plus 1 switch to select battery charge/load level display |
| SURGE / NOISE SUPPRESSION | |
| AC surge suppression | 480 joules |
| AC suppression response time | Instantaneous |
| EMI / RFI AC noise suppression | Yes |
| PHYSICAL | |
| Shipping weight (lbs) | 90.3 |
| Shipping weight (kg) | 41.0 |
| Shipping Dimensions (HWD/in) | 13.3 x 23.8 x 25.7 |
| Shipping Dimensions (HWD/cm) | 33.8 x 60.5 x 65.3 |
| Unit weight (lbs) | 74.9 |
| Unit weight (kg) | 34.0 |
| Unit Dimensions (HWD/in) | 5.2 x 17.3 x 19.8 |

| | |
|--|---|
| Unit Dimensions (HWD/cm) | 13.21 x 43.94 x 50.3 |
| Material of construction | Steel housing |
| Form factors supported | Rack (2U) |
| Cooling method | Built-in cooling fan |
| Battery Access | User-replaceable, hot-swappable batteries |
| ENVIRONMENTAL | |
| Relative Humidity | 0 to 95%, non-condensing |
| Storage Temperature | +5 to +122 degrees Fahrenheit |
| Operating Temperature | +32 to +104 degrees Fahrenheit |
| Line mode BTU/hr. (Max.) | 1328.4 |
| Battery mode BTU/hr. (Max.) | 1328.4 |
| Audible Noise | 47dBA At Front Side 1 Meter |
| COMMUNICATIONS | |
| Network monitoring port | One built-in DB9 port offers both enhanced RS-232 enabled monitoring data, plus contact closure basic monitoring capability. Supports individual reboot of selected items connected to load management receptacles and load shedding to increase battery runtime. |
| Software and cabling included | Includes PowerAlert monitoring software and cabling |
| SNMP compatibility | Yes; includes slot for optional SNMPWEBCARD accessory (#SNMPWEBCARD) |
| 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 |
| LINE / BATTERY TRANSFER | |
| Transfer time from 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 160V (130V at load levels under 70%). Below the 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 275V. Above the switchover point, output is supported from battery derived AC power. |
| SPECIAL FEATURES | |
| EPO port | Supports "Emergency Power Off" via special-order cabling, contact Tripp Lite for more information |
| Cold Start | Yes; cold start capability allows turn-on during blackouts from battery power |
| Appearance | Black all-metal housing |
| BATTERY PACK ACCESSORY (optional) | |
| Battery Pack Accessory (optional) | BP72V15-2U (limit 1), BP72V28-3U (multi-pack compatible) |
| CERTIFICATIONS | |
| Certifications | Tested to UL, CE |
| WARRANTY | |
| Product Warranty Period | 2-year manufacturer's warranty |

Related Items

| Computer Cables | | |
|-------------------------------|---|-----------------|
| P004-006 | Power Cable - 6-ft. AC Power Extension Cord, IEC-320-C14 to IEC-320-C13 | Qty: [optional] |
| External Battery Packs | | |
| BP72V15-2U | BP72V15-2U - External Battery Pack for UPS System | Qty: [optional] |
| BP72V28RT-3U | BP72V28RT-3U - External Battery Pack for UPS System | Qty: [optional] |
| Power Distribution | | |
| PDU12IEC | Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment | Qty: [optional] |
| PDUNV | Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment | Qty: [optional] |
| Shutdown Cable Kits | | |
| AS400CABLE KIT | Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers | Qty: [optional] |
| SNMP Accessories | | |
| ENVIROSENSE | Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.) | Qty: [optional] |
| SNMPWEBCARD | For remote monitoring and control via SNMP, Web or telnet. | Qty: [optional] |
| Surge Protectors | | |
| DTEL2 | Network Surge Suppressor - Essential protection for data and communication lines | Qty: [optional] |
| DNET1 | Network Surge Suppressor - Essential protection for data and communication lines | Qty: [optional] |
| DCATV | Network Surge Suppressor - Essential protection for TV/VCR coaxial lines | Qty: [optional] |

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/EN/products/model.cfm?txtModelID=2555.