# 3000VA 2400W SmartOnline UPS System - True online power for mission critical applications

MODEL NUMBER: **SU3000RT3U**

## Description

Tripp Lite's SU3000RT3U on-line, double conversion UPS protects critical server, networking or telecommunications equipment from blackouts, voltage fluctuations and surges. Multi-use form factor occupies only 3 rack spaces (3U) in standard 19 inch rackmount configuration and includes tower stands and removable rack hardware to support tower and stacking applications. Large capacity 3000VA/2400 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 9 outlets arranged in two individually switchable load banks. These outlet banks 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# BP72V12-2U). 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.

## Features

- True on-line, 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 85 and 138 (60 to 138 at loads under 70%), regulating output to 120V +/-2%
- 3000VA/2400 watt power capacity with 9 total outlets (4 NEMA5-15R, 4 NEMA5-20R & 1 NEMAL5-30R)
- Standard internal battery set provides 17 minutes runtime at half load
- Expandable runtime with multiple external battery packs (part# BP72V12-2U)
- Innovative design makes unit adaptable for rackmount, tower, or stacking applications
- Uses only 3 rack spaces (3U) in standard 19 inch rack
- DB9 serial port for network interface; SNMP compatible
- Slot for optional SNMP/web card (SNMPWEBCARD)
- PowerAlert unattended shutdown software and 6 ft. network cable included
- $100,000 Ultimate Lifetime connected equipment insurance (USA & Canada Only)
- 2 year manufacturers product warranty
- Diagnostic LEDs
- Battery replacement door
- Mounting hardware included

## Highlights

- 9 outlets provide battery backup and surge protection
- Constant on-line operation isolates equipment from every AC power problem
- Serial port and free software facilitate unattended shutdown and network-wide power management
- Accessory slot accepts optional SNMP, network management and connectivity products
- Unique cabinet design adapts to rackmount or tower applications
- $100,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

## Package Includes

- SU3000RT3U Rack-Tower UPS System
- PowerAlert Software and cabling
- Mounting hardware
- Warranty information
- Instruction manual

# Specifications

| OVERVIEW | |
| --- | --- |
| UPC Code | 037332098672 |

| INPUT | |
| --- | --- |
| UPS Input Cord Length (ft.) | 10 |

| | |
|---|---|
| UPS Input Cord Length (m) | 3.1 |
| Recommended Electrical Service | 30A 120V |
| Maximum Input Amps | 22 |
| Maximum Input Watts | 2844 |
| Input Connection Type | NEMA L5-30P |
| Voltage Compatibility (VAC) | 120 |

**OUTPUT**

| | |
|---|---|
| Frequency Compatibility | 50 / 60 Hz |
| 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 | Via 40A 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 4 outlets) " |

**BATTERY**

| | |
|---|---|
| Runtime Full Load (min.) | 6 min. |
| Runtime Half Load (min.) | 17 min. |
| Expandable Runtime | Yes |
| Expandable Runtime Description | Supports extended runtime with optional external battery pack BP72V122U (multi-pack compatible) |
| DC System Voltage (VDC) | 72 |
| Battery Access | User replaceable, hot swap battery replacement supported via front access panel |
| Battery Pack Accessory (Optional) | BP72V122U (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 85V AC |
| Severe Brownout Correction | At load levels less than 70%, UPS maintains output of 120V +/-2% during undervoltages to 60V 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) <br>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**

| | |
|---|---|
| EMI / RFI AC Noise Suppression | Yes |
| AC Suppression Response Time | Instantaneous |

**PHYSICAL**

| | |
|---|---|
| Material of Construction | Steel |
| Cooling Method | Built-in cooling fan |
| Form Factors Supported | Supports 3U 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.) | 13.30 x 23.80 x 25.70 |
| Shipping Dimensions (hwd / cm) | 33.78 x 60.45 x 65.28 |
| Shipping Weight (lbs.) | 96.00 |
| Shipping Weight (kg) | 43.54 |
| Unit Dimensions (hwd / in.) | 5.200 x 17.300 x 19.800 |
| Unit Dimensions (hwd / cm) | 13.3 x 44.5 x 50.3 |
| Unit Weight (lbs.) | 74.9 |
| Unit Weight (kg) | 33.97 |

**ENVIRONMENTAL**

| | |
|---|---|
| Relative Humidity | 0 to 95%, non-condensing |
| Line Mode BTU / Hr. (max.) | 1328.4 |
| Battery Mode BTU / Hr. (max.) | 1328.4 |

**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 | One built-in DB9 port offers both enhanced RS-232 enabled monitoring data, plus contact closure basic monitoring capability |
| 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 85V (60V 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 |

| 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) | $100,000 <a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>  |