



Tripp Lite
1111 West 35th Street
Chicago, IL 60609 USA
Telephone: +(773) 869 1234
E-mail: saleshelp@tripplite.com

Model #: SMART5000TEL3U

SmartPro Rack/Tower UPS System - Intelligent, line-interactive battery backup and network power management

Highlights

- 5000VA line interactive 3U rack / tower UPS
- Enhanced communication ports (2 USB / 2 DB9), free PowerAlert software and cabling, slot for SNMP/Web card
- Maintains 208V nominal output over an input range of 174-282 (also supports 600VA of 120V output)
- 5 output receptacles (L6-30, L6-20, 5-15)
- \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)



Description

Tripp Lite's SMART5000TEL3U intelligent, line interactive UPS protects server, networking and telecommunications equipment from blackouts, voltage fluctuations and surges in a compact rackmount housing. Completely self-contained UPS system occupies only 3 rack spaces (3U) in a standard 19 inch rack, making this model one of the smallest 5kVA UPS systems available. Included accessories support mounting 4 post rack enclosures. Large capacity 5000 VA/3750 watt UPS system accepts raw 208/240V AC input, adjusting output to normal 208V levels. One pair of 120V outlets support up to 600VA monitors and other low voltage accessories. Includes slot for internal SNMP/web card, plus 2 DB9 and 2 USB enhanced monitoring ports for unattended shutdown, remote control and monitoring of UPS system and power data. Five outlets (two L6-20R, one L6-30R and two 5-15R) allow the connection of high current 20 and 30 amp 208V connectors and up to two 120V devices (max 600VA at 120V).

Package Includes

- SMART5000TEL3U UPS System
- PowerAlert Software and cabling
- Mounting hardware
- Warranty information
- Instruction manual

Features

- Large 5000VA/3750-watt output capacity accommodates solitary large loads or multiple low-power loads
- High power density 5kVA power module occupies only 3 rack spaces (3U)
- 16 minutes half-load runtime (with a continuous load 2500VA; much longer runtime available at smaller loads)
- Line-interactive voltage regulation corrects severe brownouts and overvoltages without using battery power
- High voltage output supports 208V server, internetworking and telecom applications
- Pair of 120V outlets supports up to 600VA for standard 120V monitors, voicemail and other low-power networking devices
- Five total outlets (two L6-20R, one L6-30R and two 5-15R)
- Diagnostic LEDs provide visual indication of 17 separate performance conditions
- Included PowerAlert Software provides e-mail or pager notification of power problems and simultaneous automatic unattended shutdown of multiple servers
- 4 built-in communications ports (2 USB/2 DB9) for remote monitoring and unattended shutdown
- Slot for SNMP/web card (part#: SNMPWEBCARD) and environmental sensor (part#: ENVIROSENSE) for remote communications in large

IP environments

- Emergency Power Off (EPO) interface for emergency shutoff in large facilities
- Hot-swappable/user-replaceable batteries allow on-site battery replacement through the front panel without powering off connected equipment or removing the UPS from the rack
- UPS ships fully assembled and ready for installation; no time-consuming user battery connections required
- \$250,000 [Ultimate Lifetime Insurance](#). No warranty cards required for coverage!
- 2-year manufacturer's product warranty

Specifications

| OUTPUT | |
|--|---|
| Output Volt Amp Capacity (VA) | 5000 |
| Output kVA capacity (kVA) | 5 |
| Output Watt Capacity (watts) | 3750 |
| Output kW capacity | 3.8 |
| Output power factor | 0.8 |
| Nominal Output Voltage(s) Supported | 120V; 208V |
| Nominal Voltage details | 120V output is limited to 600VA / 450 watts (maximum) |
| Frequency compatibility | 60 Hz |
| Output voltage regulation (line mode) | 208 & 120V (-6%, +20%) |
| Output voltage regulation (Battery mode) | +/- 5% |
| Built-in UPS output receptacles | 2 5-15R outlet(s); 2 L6-20R outlet(s); 1 L6-30R outlet(s) |
| Output receptacle details | 120V 5-15R outlets are limited to 600VA / 450 watts (maximum) |
| Output circuit breaker | 20A double pole breaker supports L6-20R outlets, 5A breaker supports 5-15R outlets, L6-30R outlet is unbreakered |
| Basic PDU options | PDU1230 (1U / 2 C19, 16 C13 outlets); PDUNV (1U / 2 C19, 12 C13 outlets); PDUV30HV (0U / 6 C19, 32 C13 outlets) |
| Metered PDU options | PDUMV20HV (0U / 6 C19, 32 C13 outlets); PDUMV30HV (0U / 6 C19, 24 C13 outlets) |
| Switched PDU options | PDUMH20HVNET (1U / 8 C13 outlets); PDUMH30HVNET (2U / 16 C13 outlets); PDUMV20HVNET (0U / 4 C19, 24 C13 outlets); PDUMV30HVNET (0U / 4 C19, 24 C13 outlets) |
| Output AC waveform (AC mode) | Sine wave |
| Output AC waveform (battery mode) | Sine wave |
| INPUT | |
| Rated input current (at maximum load) | 24A |
| Nominal Input Voltage(s) Supported | 208V AC |

| | |
|---|---|
| UPS input connection type | L6-30P |
| UPS Input cord length (ft.) | 10 |
| UPS Input cord length (m) | 3 |
| Recommended Electrical Service | 30A 208V |
| BATTERY | |
| Full load runtime (minutes) | 8.5 min. (3750w) |
| Half load runtime (minutes) | 20 min. (1875w) |
| DC system voltage (VDC) | 48 |
| Battery recharge rate (included batteries) | Less than 4 hours from 10% to 90% |
| Replacement battery cartridge (internal UPS battery replacement) | RBC94-3U (quantity 3) |
| Battery Access | Front panel battery access door |
| Battery replacement description | Hot-swappable, user replaceable batteries |
| VOLTAGE REGULATION | |
| Voltage regulation description | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 167 to 260 |
| Overvoltage correction | Input voltages between 228V and 260V are reduced by 12% |
| Undervoltage correction | Input voltages between 167V and 194V are boosted by 12% |
| LEDS ALARMS & SWITCHES | |
| LED Indicators | 5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status |
| Alarms | Audible alarm indicates power-failure, overload and low-battery conditions |
| Alarm cancel operation | Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status |
| Switches | 2 Switches control off/on power status and alarm-cancel/self-test operation |
| SURGE / NOISE SUPPRESSION | |
| UPS AC suppression joule rating | 1020 |
| UPS AC suppression response time | Instantaneous |
| EMI / RFI AC noise suppression | Yes |
| PHYSICAL | |
| Installation form factors supported with included accessories | 4 post 19 inch rackmount (mounting rail kit included) |

| | |
|--|--|
| Installation form factors supported with optional accessories | 2 post rackmount (2POSTRMKITWM); Tower (2-9USTAND) |
| Primary form factor | Rackmount |
| UPS / Power Module dimensions in primary form factor (height x width x depth / inches) | 5.2 x 17.5 x 25 |
| UPS / Power Module dimensions in primary form factor (height x width x depth / cm) | 13.3 x 44.4 x 63.5 |
| Installed whole system total rack space height (rack spaces) | 3U |
| Secondary form factor | Tower (requires 2-9USTAND) |
| Installed whole system dimensions in secondary form factor (height x width x depth / inches) | 17.5 x 5.2 x 25 |
| UPS dimensions in secondary form factor (height x width x depth / cm) | 44.4 x 13.3 x 63.5 |
| UPS / Power Module weight (lbs) | 143.3 |
| UPS / Power Module weight (kg) | 65.1 |
| UPS Shipping dimensions (height x width x depth / inches) | 11.2 x 23 x 31.5 |
| UPS Shipping dimensions (height x width x depth / cm) | 28.6 x 58.4 x 80 |
| Shipping weight (lbs) | 181.9 |
| Shipping weight (kg) | 82.6 |
| UPS housing material | Steel |
| Cooling method | Fan |
| ENVIRONMENTAL | |
| 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) | 671.1 |
| Battery mode BTU / hr. (full load) | 1416.7 |
| COMMUNICATIONS | |

| | |
|---|--|
| Communications interface | USB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface |
| Network monitoring port description | Supports detailed monitoring of UPS and site power conditions |
| PowerAlert software | Included |
| Communications cable | USB and DB9 cabling included |
| WatchDog compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| LINE / BATTERY TRANSFER | |
| Transfer time | 4 to 8 milliseconds |
| Low voltage transfer to battery power (setpoint) | 167 |
| High voltage transfer to battery power (setpoint) | 260 |
| SPECIAL FEATURES | |
| Grounding lug | Back panel grounding lug |
| Cold Start (startup in battery mode during a power failure) | Cold-start operation supported |
| High availability UPS features | Hot swappable batteries |
| Green & high efficiency UPS features | Greater than 95% efficiency - GREEN UPS |
| CERTIFICATIONS | |
| UPS Certifications | Tested to UL1778 (USA); Tested to CSA (Canada); Meets FCC Part 15 Category A (EMI); ROHS (Reduction of Hazardous Substances) |
| WARRANTY | |
| Product Warranty Period (U.S., Canada & Puerto Rico) | 2 years |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 connected equipment insurance |

Related Items

Optional Products

| Product Type | Related Model | Description | Qty. |
|---------------------|-------------------------------|--|------|
| SNMP Accessories | SNMPWEBCARD | For remote monitoring and control via SNMP, Web, or Telnet. | - |
| SNMP Accessories | ENVIROSENSE | Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.) | - |
| SNMP Accessories | U022-010 | 10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male) | - |
| Surge Protectors | DTEL2 | Network Surge Suppressor - Essential protection for data and communication lines | - |
| Surge Protectors | DNET1 | Network Surge Suppressor - Essential protection for data and communication lines | - |
| Extended Warranties | WEXT3-5000TEL | 3-Year Extended Warranty - For SMART5000TEL3U only | - |

| | | | |
|--------------------------|-------------------------------|---|---|
| Extended Warranties | WEXT5-5000TEL | 5-Year Extended Warranty - For SMART5000TEL3U only | - |
| Tower Stands | 2-9USTAND | Enables Tower Placement of Rackmount UPS Systems | - |
| UPS Accessories | MODBUSCARD | For remote monitoring and control via MODBUS protocol | - |
| Rackmount/Wallmount Kits | 2POSTRMKITHD | Enables 2-Post Rackmount Installation of 3U and Larger UPS, Transformer and Battery Pack Components | - |

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=3035.

Copyright © 2010 Tripp Lite. All rights reserved. All trademarks are the sole property of their respective owners. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Photos may differ slightly from final products.