

## SmartPro 208V 5kVA 3.75kW Line-Interactive Sine Wave UPS, 3U Rack/Tower, Network Card Options, USB, DB9 Serial

MODEL NUMBER: **SMART5000TEL3U**



### Highlights

- 5kVA / 5000VA line interactive 3U rack/tower UPS; Sine wave output
- 208V nominal output during inputs of 174-282V; Supports 600VA 120V output
- USB, Serial, EPO & slot for Network Management Card options
- 97% line-mode efficiency; Hot-swappable internal batteries; Energy Star Compliant
- NEMA L6-30P input; 2 NEMA 5-15R, 2 L6-20R & 1 L6-30R outlets

### Package Includes

- SMART5000TEL3U UPS System
- USB & DB9 Serial cabling
- Mounting hardware
- Instruction manual

### 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 AC input, adjusting output to regulated 208V levels. One pair of 120V outlets support up to 600VA monitors and other low voltage accessories. Includes slot for internal Network Management Card option. Includes USB and 2 DB9 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).

### 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
- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from [www.tripplite.com/poweralert](http://www.tripplite.com/poweralert)
- Built-in USB, DB9 RS-232 and DB9 contact closure communications ports for remote monitoring and unattended shutdown
- Compatible with Tripp Lite UPS management card options TLNETCARD, WEBCARDLX and SNMPWEBCARD



- 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
- Intelligent battery management system extends battery life
- UPS ships fully assembled and ready for installation; no time-consuming user battery connections required

## Specifications

| OVERVIEW                                 |  |
|--|--|
| UPC Code                                 | 037332116116   |
| UPS Type                                 | Line-Interactive   |
| INPUT                                    |  |
| Rated input current (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)                | 3.1  |
| Recommended Electrical Service           | 30A 208V   |
| Input Phase                              | Single-Phase   |
| OUTPUT                                   |  |
| Output Volt Amp Capacity (VA)            | 5000   |
| Output kVA Capacity (kVA)                | 5  |
| Output Watt Capacity (Watts)             | 3750   |
| Output kW Capacity (kW)                  | 3.75   |
| Output Capacity Details                  | 120V 5-15R outlets are limited to 450 watts (max.)   |
| Power Factor                             | 0.75   |
| Nominal Voltage Details                  | 120V output is limited to 450 watts  |
| Frequency Compatibility                  | 60 Hz  |
| Output Voltage Regulation (Line Mode)    | 208 & 120V (-6%, +20%)   |
| Output Voltage Regulation (Battery Mode) | +/- 5%   |
| Output Circuit Breakers                  | 20A double pole breaker supports L6-20R outlets, 5A breaker supports 5-15R outlets, L6-30R outlet is unbreakered |
| Output AC Waveform (AC Mode)             | Sine wave  |
| Output AC Waveform (Battery Mode)        | Pure Sine wave   |



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| Nominal Output Voltage(s) Supported          | 208V   |
| Output Receptacles                           | (2) 5-15R; (2) L6-20R; (1) L6-30R  |
| Individually Controllable Load Banks         | No   |
| <b>BATTERY</b>                               |  |
| Battery Type                                 | Valve Regulated Lead Acid (VRLA)   |
| Full Load Runtime (min.)                     | 8.5 min. (3750w)   |
| Half Load Runtime (min.)                     | 20 min. (1875w)  |
| Expandable Runtime                           | No   |
| DC System Voltage (VDC)                      | 48   |
| Battery Recharge Rate (Included Batteries)   | Less than 4 hours from 10% to 90% (typical, full load discharge)   |
| Battery Access                               | Front panel battery access door  |
| Internal UPS Replacement Battery Cartridge   | &nbsp;<a class="productLink" href="//www.tripplite.com/3U-UPS-Replacement-48VDC-Battery-Cartridge-select-Tripp-Lite-SmartPro-UPS-RBC94-3U">RBC94-3U</a>&nbsp;<small>(quantity 3)</small> |
| Battery Replacement Description              | Hot-swappable, user replaceable batteries  |
| <b>VOLTAGE REGULATION</b>                    |  |
| 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%  |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |  |
| 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; once silenced, alarm will re-sound to indicate low-battery status  |
| Audible Alarm                                | Audible alarm indicates power-failure, overload and low-battery conditions   |
| LED Indicators                               | 5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status   |
| <b>SURGE / NOISE SUPPRESSION</b>             |  |
| UPS AC Suppression Joule Rating              | 1020   |
| UPS AC Suppression Response Time             | Instantaneous  |
| EMI / RFI AC Noise Suppression               | Yes  |
| <b>PHYSICAL</b>                              |  |
| Primary Form Factor                          | Rackmount  |
| Cooling Method                               | Fan  |



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|---|---|
| Installation Form Factors Supported with Included Accessories | 4 post 19 inch rackmount  |
| Installation Form Factors Supported with Optional Accessories | 2 post rackmount ( <a href="http://www.tripplite.com/2-Post-Rack-Mount-Installation-Kit-3U-Larger-UPS-Transformer-Battery-Pack-Components~2POSTRMKITHD">2-Post-Rack-Mount-Installation-Kit-3U-Larger-UPS-Transformer-Battery-Pack-Components~2POSTRMKITHD</a> ); Tower ( <a href="http://www.tripplite.com/2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND">2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND</a> ) |
| Minimum Required Rack Depth (cm)                              | 76.20   |
| Minimum Required Rack Depth (inches)                          | 30  |
| Primary UPS Depth (mm)  | 635   |
| Primary UPS Height (mm)                                       | 133   |
| Primary UPS Width (mm)  | 445   |
| Rack Height   | 3U  |
| Shipping Dimensions (hwd / cm)                                | 30.48 x 58.42 x 83.82   |
| Shipping Dimensions (hwd / in.)                               | 12.00 x 23.00 x 33.00   |
| Shipping Weight (kg)  | 82.55   |
| Shipping Weight (lbs.)  | 182.00  |
| UPS Housing Material  | Steel   |
| UPS Power Module Dimensions (hwd, cm)                         | 13.34 x 44.45 x 63.50   |
| UPS Power Module Dimensions (hwd, in.)                        | 5.25 x 17.5 x 25  |
| UPS Power Module Weight (kg)                                  | 65.00   |
| UPS Power Module Weight (lbs.)                                | 143.3   |
| <b>ENVIRONMENTAL</b>  |   |
| 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)                                 | 366   |
| Battery Mode BTU / Hr. (Full Load)                            | 1423  |
| AC Mode Efficiency Rating (100% Load)                         | 97%   |
| Audible Noise   | 45 dBA maximum, front side 1m   |
| <b>COMMUNICATIONS</b>   |   |
| Network Management Cards                                      | <a href="http://www.tripplite.com/SNMP-Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~SNMPWEBCARD">SNMPWEBCARD</a> ; <a href="http://www.tripplite.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD</a> ; <a href="http://www.tripplite.com/Web-Management-Accessory-Card-WEBCARDLX">WEBCARDLX</a>   |
| Network Monitoring Port Description                           | Supports detailed monitoring of UPS and site power conditions   |



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| PowerAlert Software   | For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at <a href="https://www.tripplite.com/poweralert">https://www.tripplite.com/poweralert</a> |
| Communications Cable  | USB and DB9 cabling included   |
| WatchDog Compatibility                                      | Supports Watchdog application, OS and hard-reboot restart options for remote applications  |
| Network Management Card Description                         | Network management card optional   |
| Communications Interface                                    | Contact closure; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB   |
| <b>LINE / BATTERY TRANSFER</b>                              |  |
| Transfer Time   | 7 milliseconds (AC to Battery), 1 millisecond (Battery to AC)  |
| Low Voltage Transfer to Battery Power (Setpoint)            | 167  |
| High Voltage Transfer to Battery Power (Setpoint)           | 260  |
| <b>FEATURES &amp; SPECIFICATIONS</b>                        |  |
| Grounding Lug   | Back panel grounding lug   |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported   |
| High Availability UPS Features                              | Auto Probe Monitoring (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Sine wave output; Surge/noise protection                           |
| Green Energy-Saving Features                                | Greater than 95% efficiency - GREEN UPS  |
| <b>STANDARDS &amp; COMPLIANCE</b>                           |  |
| UPS Certifications  | ENERGY STAR Qualified; Meets FCC Part 15 Category A (EMI); Tested to CSA (Canada); Tested to UL1778 (USA)  |
| <b>WARRANTY</b>   |  |
| Product Warranty Period (Worldwide)                         | 2-year warranty, 3 year with registration. Note: <a href="https://www.tripplite.com/support/product-warranty-registration">Registration is required</a> for 3-year warranty.                   |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico)  | \$250,000 <a href="https://www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a>   |

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