

SmartPro Rack/Tower UPS System

Intelligent, line-interactive battery backup and network power management



Model #: SMART5000TEL3U

- ▶ 5000VA / 5kVA line interactive, 3U rack / tower UPS (Single 3U Power Module with Internal Batteries)
- ▶ Maintains 208V nominal output over an input range of 174-282 (also supports 600VA of 120V output)
- ▶ Network communications supported via 1 USB ports, 2 serial ports, SNMP/Web card slot and EPO interface
- ▶ Current monitoring
- ▶ Input: L6-30P (208V 30A) / Output: 1 L6-30R (208V), 2 L6-20R (208V), 2 NEMA 5-15R (120V limited to 600VA)
- ▶ 2 year product warranty / \$250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Enterprise Assistance

E-mail us your critical extended run application requirements for large kVA and extended run UPS Systems and we will research the ideal solution and provide a custom configuration.

[Contact a Tripp Lite Product Specialist](#)

DESCRIPTION

Tripp Lite 5kVA Smart RM UPS - 5000VA / 5kVA line interactive UPS for server, network and telecommunications equipment / UPS with internal batteries requires 3 rack spaces installed / accepts 208V nominal input voltage / Simultaneous 208 & 120V output (600VA max output at 120V) / Corrects brownouts and overvoltages from 167 to 260V / Sine wave output / Uninterruptible Power Supply (UPS) maintains battery derived AC output during blackouts and severe voltage fluctuations / 5 output receptacles / NEMA L6-30P input connection with support for user supplied 50A plug or hardwire input / Network-grade AC surge and noise suppression / Network management interfaces include USB, DB9 serial and SNMPWEBCARD slot / Supports simultaneous detailed monitoring of equipment load levels, self-test data and mains power conditions via all network interfaces at once / Includes PowerAlert monitoring software and complete cabling / Emergency Power Off (EPO) interface / 3 stage metered current monitoring and battery charge LEDs / Mains power and voltage regulation LEDs / Audible alarm / Self-test / 4-post rack mounting accessories included / 2-9U STAND and 2-POST RM KIT WM optional accessories available for alternate configurations / Field-replaceable, hot-swappable internal batteries and battery packs / Attractive all-black UPS design / Two-year warranty with \$250,000 connected equipment insurance / Extended warranty and service contracts available

KEY BUYING POINTS

- 5000VA / 3750 watt max. output power capacity compatible with North American 208V / 60Hz input voltage
- Supports full output at 208V; 120V output is limited to 600VA, ideal for monitors and other low power loads)
- 3U rack/tower UPS installs in standard 19-inch rack enclosures with an installed depth of only 25 inches
- Protects sensitive networking equipment from blackouts, voltage fluctuations and transient surges
- Line-Interactive Automatic Voltage Regulation (AVR) corrects 208V nominal input from 167 to 260VAC back to usable 208/120V levels without consuming battery power
- AVR circuits boost undervoltages by 12% and reduce overvoltages by 12%
- Network interfaces support simultaneous communications via USB, DB9 serial and SNMPWEBCARD slot
- Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus any number of additional servers over IP
- Communications ports support on-battery, low-battery, power-restored, AC-voltage, DC-voltage, output current monitoring, battery charge current, battery capacity, internal UPS temperature, AC line frequency, timed inverter shutoff, activate self-test and load bank output power control

- Built-in Emergency Power Off (EPO) interface with cable
- Sine wave output in AC and battery mode
- Expandable runtime with optional BP48V60RT3U external battery packs
- Half/full load runtime of 8.5 / 20 minutes with internal batteries
- Includes 5 output receptacles (2 L6-20, 1 L6-30 & 2 NEMA 5-15R)
- Ships with installed L6-30P input plug, supports user-supplied 50A replacement plug or hardwire input
- 3 stage metered LEDs offer current monitoring and battery charge level
- Mains power and voltage regulation LEDs offer at-a-glance power status information
- Front panel switches support self-test and alarm cancel functions
- Included adjustable mounting rails support installation in 4-post 19-inch racks
- UPS ships fully assembled in full compliance with DOT regulations, no time-consuming connection of internal batteries by user is required
- Supports 2-post rackmount installation with optional 2POSTRMKITWM accessory
- Supports upright tower placement with optional 2-9USTAND accessory
- Tested to UL1778 (USA), CSA (Canada), FCC Class A (Emissions)
- 2-year manufacturer's product warranty, \$250,000 Ultimate Lifetime Insurance

TYPICAL APPLICATIONS

- Ideal in rackmount or tower installations for centralized UPS protection of critical 208V equipment in server rooms, internetworking closets and telecommunications systems. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems.

OPTIONS & ACCESSORIES

- SNMP accessories: [SNMPWEBCARD](#), [ENVIROSENSE](#)
- USB Hubs-accessories: [U202-004-R](#), [U205-004-R](#), [U022-010](#)
- Dataline protectors: [DNET1](#), [DTEL2](#), [DCATV](#)
- Tower stands: [2-9USTAND](#)
- Rack enclosures: [Rack Systems](#)
- Two-post rackmount kit: [2POSTRMKITWM](#)
- Extended warranties: 3 Year [WEXT3-5000TEL](#), 5 Year [WEXT5-5000TEL](#)

PACKAGE INCLUDES

- SMART 5000TEL3U UPS System
- PowerAlert Software and cabling
- Mounting hardware
- Warranty information
- Instruction manual

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW

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|---------------------------------|--|
| System overview: | 5kVA SmartPro 208V line-interactive 3U rack / tower UPS with integrated switched PDU |
| Voltage compatibility: | 208V AC |
| Frequency compatibility: | 60 Hz |

OUTPUT

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|---------------------------------------|---|
| Output volt amp capacity (VA): | 5000 |
| Output watt capacity (watts): | 3750 |
| Output nominal voltage: | 208V AC |
| Output voltage regulation: | LINE MODE: Sine wave output within 208V (-6% +20%) plus 120V nominal (600VA max @ |

| | |
|-------------------------------------|---|
| | 120V) |
| Output frequency regulation: | LINE MODE: Passes line frequency of 60Hz +/-10% |
| Outlet quantity / type: | 1 NEMA L6-30R, 2 NEMA L6-20R and 2 NEMA 5-15R |
| Overload protection: | Resettable circuit breaker |

INPUT

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|--|------------------------|
| Maximum input amps: | 24A/3970 watts @208V |
| Input connection type: | NEMA L6-30P |
| Input cord length: | 10 ft., 10 gauge |
| Recommended electrical service: | 30A 208V (or 50A 208V) |

BATTERY

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|---------------------------------------|-------------------------------|
| Full load runtime: | 8.5 min (5000VA) |
| Half load runtime: | 20 min (2500VA) |
| DC system voltage: | 48 VDC |
| Typical battery lifespan: | 3-6 years, depending on usage |
| Battery recharge rate: | 2-4 hours to 90% |
| Replacement Battery Cartridge: | RBC94-3U (qty 3) |

VOLTAGE REGULATION

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| Voltage regulation description: | Automatic Voltage Regulation (AVR) circuits maintains clean, regulated computer-grade 208/120V nominal output, without using battery power, during brownouts to 167V and overvoltages to 260V |
| Overvoltage correction: | Input voltages between 228V and 260V are reduced by 12% |
| Brownout correction: | Input voltages between 167V and 194V are boosted by 12% |

LEDS ALARMS & SWITCHES

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| Front panel LEDs: | 5 front-panel LEDs: Green POWER LED, Green VOLTAGE CORRECTION LED, 3-color BATTERY CHARGE LED, 3-color OUTPUT LOAD LED, red BATTERY WARNING LED |
| Alarms: | 3 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone) |
| Switches: | Yes, includes 2 front panel mounted push button switches for system enable, self-test and alarm cancel functions |

SURGE / NOISE SUPPRESSION

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|--|---------------|
| AC surge suppression: | 1020 joules |
| AC suppression response time: | Instantaneous |
| EMI / RFI AC noise suppression: | Yes |

PHYSICAL

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|--------------------------------------|--------------------|
| Shipping weight (lbs): | 181.9 |
| Shipping weight (kg): | 82.58 |
| Unit weight (lbs): | 143.3 |
| Unit weight (kg): | 65.1 |
| Unit Dimensions (HWD/in): | 5.25 x 17.5 x 25 |
| Unit Dimensions (HWD/cm): | 13.3 x 44.5 x 63.5 |
| Shipping Dimensions (HWD/in): | 11.25 x 23 x 31.5 |
| Shipping Dimensions (HWD/cm): | 28.6 x 58.4 x 80 |
| Material of construction: | Steel |
| Form factors supported: | Rack (3U) |

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|------------------------|--|
| Cooling method: | Built-in cooling fan |
| Battery Access: | Battery access door allows hot swap battery replacement without powering connected equipment off |

ENVIRONMENTAL

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|-------------------------------|--------------------------------|
| Operating Temperature: | +32 to +104 degrees Fahrenheit |
| Storage Temperature: | +5 to +122 degrees Fahrenheit |
| Relative Humidity: | 0 to 95%, non-condensing |

COMMUNICATIONS

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|---------------------------------------|---|
| Network monitoring port: | Includes built-in USB and DB9 serial ports. Each supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature and line frequency status messaging |
| Software and cabling included: | Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Ships with USB and DB9 serial cables |
| SNMP compatibility: | Built-in accessory slot accommodates internal SNMP / Web card and other network accessories |
| WatchDog compatibility: | Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of applications / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications |

LINE / BATTERY TRANSFER

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|---|--|
| Transfer time from line power to battery mode: | 4 to 8 milliseconds |
| Low voltage transfer to battery power: | 167VAC (resets to line power as voltage increases to 176VAC) |
| High voltage transfer to battery power: | 260V (resets to line power as voltage decreases to 254VAC) |

CERTIFICATIONS

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|------------------------|---|
| Certifications: | Tested to UL1778 (USA), CSA (Canada), FCC Class A (Emissions) |
|------------------------|---|

WARRANTY

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|---|---|
| Product warranty: | 2-year product warranty |
| Connected equipment insurance (USA and Canada Only): | \$250,000 connected equipment insurance (USA / Canada only) |
| Optional coverage: | 3-year, 5-year, next-day and on-site warranty coverage available for select opportunities; contact Tripp Lite |

SPECIAL FEATURES

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|------------------------|--|
| EPO port: | Includes RJ11 EPO (emergency power off) port and interconnection cable |
| TVSS grounding: | Includes back panel grounding point with thumbscrew for data line surge suppressors and other network accessories requiring a chassis grounding point. |
| Cold Start: | Yes, inverter can be cold started to enable temporary AC output during a power failure |
| Appearance: | Attractive black rackmount housing |

*The policy of Tripp Lite is one of continuous improvement.
Specifications are subject to change without notice.
Therefore, your product may vary slightly from what is currently listed.*



Tripp Lite World Headquarters
1111 W. 35th Street
Chicago, IL 60609 USA

Customer Support
(773) 869-1234

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