# Model #: SMART5000RT3U

## SmartPro 5kVA Line Interactive Sine Wave UPS, Extended-run & SNMPWEBCARD options, 6U Rack/Tower, USB, Serial, EPO, 208+120V

### Highlights

- 5000VA / 5kVA line interactive, extended-run 6U rack / tower UPS (3U Power Module + 3U Battery Pack)
- Maintains sine-wave 208V and simultaneous 120V nominal output during brownouts to 151 and overvoltages to 260V
- Network communications supported via 2 USB ports, 2 serial ports, SNMP/Web card slot and EPO interface
- Current monitoring and switched PDU control via 8 single-outlet load banks
- Input: L6-30P (208V 30A) / Output: 1 L6-30R (208V), 1 L14-30R (208/120V split phase), 2 NEMA 5-20R (120V), 10 NEMA 5-15R (120V)
- 2 year product warranty / $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

### Description

Tripp Lite's line-interactive SMART5000RT3U UPS System protects server, networking or telecommunications equipment from blackouts, voltage fluctuations and surges in a compact tower/rackmount housing. In rack configuration, the power module and battery pack occupy only 3 rack spaces (3U) each. Large capacity 5000VA/4000W power module converts raw 208V AC input to fully regulated dual output 208/120 voltage for simultaneous protection of both high- and low-voltage equipment loads. True sine wave output at all times offers guaranteed compatibility with all equipment types. Includes 14 outlets, 8 of which can be individually reset 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 with additional external 3U rackmount battery packs. Includes slot for internal SNMP/web card, plus two DB9 and two USB enhanced monitoring ports for unattended shutdown, remote control and monitoring of UPS system and power data.

Package Includes

- SMART5000RT3U UPS System
- BP48V60RT3U battery pack
- PowerAlert Software and cabling
- Mounting hardware
- Instruction manual with warranty information

### Features

- Large 5000VA/4000W output capacity with full-time sine wave output offers guaranteed compatibility with all equipment types
- High power density 5kVA power module and battery pack occupy only 3 rack spaces (3U) each (UPS and battery pack require 6U total installed)
- 38 min. half load runtime, expandable with multiple external battery packs (part# BP48V60RT3U)
- Line-interactive voltage regulation corrects severe brownouts and overvoltages without using battery power
- Dual voltage output is simultaneously compatible with both 208V and 120V equipment
- 14 total outlets (120V: 10 x 5-15R, 2 x 5-20R/208V: 1 x L6-30R, 1 x L14-30R)
- Diagnostic LEDs provide visual indication of 17 separate performance conditions
- Included PowerAlert Software provides e-mail notification of power problems and simultaneous automatic unattended shutdown of multiple

servers
- 4 built-in communications ports (2 x DB9, 2 x USB) for remote monitoring and unattended shutdown
- Slot for SNMP/web card SNMPWEBCARD and environmental sensor ENVIROSENSE for remote communications in large IP environments
- 8 customized load management receptacles can be individually powered off and back on again via software interface to reboot remote equipment or perform "load shedding" of less critical loads to extend battery runtime for the most critical equipment
- 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 battery set ships fully assembled and ready for connection to the power module, no time consuming, connection of individual internal batteries by user is necessary
- $250,000 Ultimate Lifetime Insurance (USA & Canada Only). 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) | 4000 |
| Output kW capacity | 4 |
| Output power factor | 0.8 |
| Nominal Output Voltage(s) Supported | 120V; 208V |
| Frequency compatibility | 60 Hz |
| Output voltage regulation (line mode) | 208 & 120V (-10%, +20%) |
| Output voltage regulation (Battery mode) | +/- 5% |
| Built-in UPS output receptacles | 10 5-15R outlet(s); 2 5-15/20R outlet(s); 1 L14-30R outlet(s); 1 L6-30R outlet(s) |
| Built-in controllable switched load banks | Eight switchable single-outlet 5-15R load banks |
| Output circuit breaker | 15A branch rated (x3) - 2 breakers support 5 5-15R outlets each, one breaker supports 2 5-20R outlets, L6-30R and L14-30R outlets are unbreakered |
| Basic PDU options | PDU1220 (1U / 13 5-15/20R outlets); PDU1230 (1U / 2 C19, 16 C13 outlets); PDUV20 (0U / 12 5-15/20R outlets); PDU40TDUAL (0U / 40 5-15/20R outlets); PDUV30HV (0U / 6 C19, 32 C13 outlets) |
| Metered PDU options | PDUMH20 (1U / 13 5-15/20R outlets); PDUMH20AT (1U / 16 5-15/20R outlets)*; PDUMV20 (0U / 16 5-15/20R outlets); PDUMV40 (0U / 32 5-15/20R outlets); PDUMV30HV (0U / 6 C19, 24 C13 outlets) |
| Switched PDU options | PDUMH20ATNET (1U / 16 5-15/20R outlets)*; PDUMH30HVNET (2U / 16 C13 outlets); PDUMV20NET (0U / 24 5-15/20R outlets); PDUMV30HVNET (0U / 4 C19, 24 C13 outlets) |
| External PDU redundancy options | *Auto Transfer Switch features utilizing the secondary PDU input cord are compatible with Smart Online UPS models only |
| Output AC waveform (AC mode) | Sine wave |

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|---|---|
| **Output AC waveform (battery mode)** | Pure Sine wave |

**INPUT**

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|---|---|
| **Nominal Input Voltage(s) Supported** | 208V AC |
| **UPS input connection type** | L6-30P |
| **Input circuit breaker** | 30A double-pole |
| **UPS Input cord length (ft.)** | 10 |
| **UPS Input cord length (m)** | 3 |
| **Recommended Electrical Service** | 30A 208V |
| **Input cord length (ft.)** | 10 |
| **Input cord length (m)** | 3 |

**BATTERY**

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|---|---|
| **Full load runtime (minutes)** | 16 min. (4000w) |
| **Half load runtime (minutes)** | 38 min. (2000w) |
| **Expandable battery runtime** | Extended runtime supported via optional external battery packs |
| **External battery pack compatibility** | BP48V60RT3U (multi-pack compatible) |
| **DC system voltage (VDC)** | 48 |
| **Battery recharge rate (included batteries)** | Less than 4 hours from 10% to 90% |
| **Battery replacement description** | Hot-swappable, user replaceable batteries |

**VOLTAGE REGULATION**

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|---|---|
| **Voltage regulation description** | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 151 to 282 |
| **Overvoltage correction** | Input voltages between 240V and 282 are reduced by 12% |
| **Undervoltage correction** | Input voltages between 180V and 199 are boosted by 12% |
| **Severe undervoltage correction** | Input voltages between 151V and 179 are boosted by 24% |

**LEDS ALARMS & SWITCHES**

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|---|---|
| **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**

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|---|---|
| **UPS AC suppression joule rating** | 1020 |
| **UPS AC suppression response time** | Instantaneous |
| **EMI / RFI AC noise suppression** | Yes |
| **AC suppression joule rating** | 1020 |
| **AC suppression response time** | Instantaneous |

**PHYSICAL**

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|---|---|
| **Installation form factors supported with optional accessories** | 2 post rackmount (2POSTRMKITWM); Tower (2-9USTAND) |
| **Optional mounting accessory notes** | 2 sets of 2POSTRMKITWM required for 2 post rackmount installation of separate power module and battery pack |
| **Primary form factor** | Rackmount |
| **UPS / Power Module dimensions in primary form factor (height x width x depth / inches)** | 5.2 x 17.5 x 22.5 |
| **UPS / Power Module dimensions in primary form factor (height x width x depth / cm)** | 13.3 x 44.4 x 57.2 |
| **Installed whole system maximum rack depth (inches)** | 22.8 |
| **Installed whole system maximum rack depth (cm)** | 57.8 |
| **Installed whole system total rack space height (rack spaces)** | 6U |
| **Secondary form factor** | Tower (requires 2-9USTAND) |
| **UPS / Power Module weight (kg)** | 0 |
| **UPS dimensions details** | Includes 3U power module and 3U external battery pack |
| **Included battery pack dimensions (height x width x depth / inches)** | 5.2 x 17.5 x 22.8 |
| **Included battery pack dimensions (height x width x depth / cm)** | 13.3 x 44.4 x 57.8 |
| **Included battery pack weight (lbs)** | 135 |
| **Included battery pack weight (kg)** | 61.3 |

| UPS Shipping dimensions (height x width x depth / cm) | 22.8 x 23 x 31.5 |
|---|---|
| Shipping weight (lbs) | 320 |
| Shipping weight (kg) | 145.3 |
| UPS housing material | Steel |
| Cooling method | Fans |

**ENVIRONMENTAL**

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|---|---|
| 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) | 868.1 |
| Battery mode BTU / hr. (full load) | 1511.1 |

**COMMUNICATIONS**

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|---|---|
| Communications interface | USB; DB9 Serial; Contact closure |
| Network monitoring port description | Supports detailed monitoring of UPS and site power conditions; 2 USB ports, 1 DB9 serial and 1 DB9 contact closure port (4 total) |
| 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**

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| Transfer time | 2-4 milliseconds |
| Low voltage transfer to battery power (setpoint) | 151 |
| High voltage transfer to battery power (setpoint) | 282 |

**SPECIAL FEATURES**

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|---|---|
| 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 features | Individually controllable load banks |

**CERTIFICATIONS**

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|---|---|
| UPS Certifications | Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI) |

**WARRANTY**

| Product Warranty Period (U.S., Canada & Puerto Rico) | 2-year limited warranty |
|---|---|
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | $250,000 Ultimate Lifetime Insurance |

## Related Items

**Optional Products**

| Product Type | Related Model | Description | Qty. |
|---|---|---|---|
| Tower Stands | 2-9USTAND | Enables Tower Placement of Rackmount UPS Systems | - |
| Extended Warranties | WEXT3-5000 | 3-Year Extended Warranty - For SMART5000RT3U (one Power Module and Battery Pack) | - |
| Extended Warranties | WEXT5-5000 | 5-Year Extended Warranty - For SMART5000RT3U (one Power Module and Battery Pack) | - |
| External Battery Packs | BP48V60RT-3U | External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector | - |
| 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.) | - |
| 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 | - |
| 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=60.