Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

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

MODEL NUMBER: **SMART5000RT3U**





Highlights

- 5kVA / 5000VA / 4000W line interactive 6U rack/tower UPS; Sine wave output
- 208 & 120V output during brownouts to 151V and overvoltages to 260V
- USB, Serial, EPO & optional SNMP/Web card monitoring options
- Expandable runtime; 8 single-outlet switched output load banks
- NEMA L6-30P input; 10 5-15R, 2 5-15/20R, 1 L6-30R & 1 L14-30R outlets

Package Includes

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

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.

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 BP48V24-2U (limit 1), BP48V60RT-3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible)
- 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 (part# SNMPWEBCARD) and environmental sensor (part# 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 external battery pack(s) allow on-site battery replacement without powering off connected equipment or removing the UPS from the rack
- UPS external battery pack ships fully assembled and ready for connection to the power module, no time consuming, connection of individual internal batteries by user is necessary

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
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Pure Sine wave
INPUT	
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
Phase	Single-Phase

BATTERY	
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	BP48V24-2U (limit 1); BP48V60RT-3U (multi-pack compatible); BP48V27-2US (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	
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	
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
AC suppression joule rating	1020
AC suppression response time	Instantaneous
PHYSICAL	
Installation form factors supported with included accessories	4 post 19 inch rackmount
Installation form factors supported with optional accessories	2 post rackmount (2POSTRMKITHD); Tower (2-9USTAND)
Optional mounting accessory notes	2 sets of 2POSTRMKITHD 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
Rack Height	6U
Secondary form factor	Tower (requires 2-9USTAND)
UPS / Power Module weight (lbs)	93
UPS / Power Module weight (kg)	42
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 25
Included battery pack dimensions (height x width x depth / cm)	13.3 x 44.4 x 63.5
Included battery pack weight (lbs)	163
Included battery pack weight (kg)	73.4
UPS Shipping dimensions (height x width x depth / cm)	22.8 x 23 x 31.5
Shipping weight (lbs)	321.6
Shipping weight (kg)	144.7
Cooling method	Fans
UPS housing material	Steel
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)	868.1
Battery mode BTU / hr. (full load)	1511.1
AC mode efficiency rating (100% load)	94%
COMMUNICATIONS	
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	
Transfer time	2-4 milliseconds
Low voltage transfer to battery power (setpoint)	151
High voltage transfer to battery power (setpoint)	282
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 features	Individually controllable load banks
CERTIFICATIONS	
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 (Worldwide)	2-year warranty, 3 year with registration. Note: Registration is required for 3-year warranty.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

Related Items

Optional Products

Model Number	Description	Qty.
BP48V27-2US	BP48V27-2US - 2U External 48V Rack/Tower Battery pack for select Tripp Lite UPS Systems	1
BP48V24-2U	BP48V24-2U - 2U External 48V Rack/Tower Battery Pack for select Tripp Lite UPS Systems	1
BP48V60RT-3U	External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector	1
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	1
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	1
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	1
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	1
SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	1

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WEXT5-5000	5-Year Extended Warranty - For SMART5000RT3U (one Power Module and Battery Pack)	1
2-9USTAND	Enables Tower Placement of Rackmount UPS Systems	1
2POSTRMKITHD	Enables 2-Post Rackmount Installation of 3U and Larger UPS, Transformer and Battery Pack Components	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at: http://www.tripplite.com/sku/SMART5000RT3U.

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