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## Model #: SMART3000RM2U

### SmartPro 3kVA 2250W Line Interactive Sine Wave UPS, Extended-run & SNMPWEBCARD options, 2U Rack/Tower, LCD, USB, RS232, EPO, 120V

#### Highlights

- 3kVA / 3000VA / 2250W line interactive 2U rack/tower UPS, Sine Wave
- 120V output, Corrects brownouts and overvoltages from 83V to 145V
- 0.75 Power Factor, Interactive LCD interface
- Extended runtime options up to 1600W
- 4 post compatible mounting accessories
- 98% line-mode efficiency, 2 switched load banks
- USB, RS232, EPO and slot for SNMPWEBCARD option
- 120V NEMA L5-30P input, 8 NEMA 5-15/20R & 1 L5-30R outlets



#### Description

Tripp Lite SmartPro Line Interactive UPS with enhanced LCD interface offers network-grade power protection for critical server, network and telecommunications equipment. Line Interactive Uninterruptible Power Supply (UPS) with built-in Auto-Voltage Regulation (AVR) actively corrects brownouts and overvoltages back to usable levels while maintaining a full battery charge in case of power failure. Tripp Lite's unique configuration excels in exceptionally poor-power environments with two separate levels of voltage boost to correct both slight undervoltages and severe brownout conditions. Interactive LCD interface reports UPS operating mode, detailed UPS and site-power data, plus enables a variety of UPS setup and configuration options. Super-fast switchover from line to battery power occurs within milliseconds to maintain operation of connected equipment without interruption or reboot. 98% line-mode efficiency offers reduced heat emissions and operating costs. Network management interfaces support communications via USB, RS-232 and optional SNMPWEBCARD network interface. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Network communications ports enable detailed monitoring of equipment load levels, self-test data and utility power conditions. Includes PowerAlert monitoring software and complete cabling. Switched output load banks enable scheduled and real-time remote reboot and load shedding of select outlets. Emergency Power Off (EPO) interface. LCD display panel easily rotates for viewing in rackmount or tower configurations. Audible alarm with push-button momentary alarm-cancel and silent-mode configuration options. Programmable self-test. Field-replaceable, hot-swappable battery modules.

#### Package Includes

- SMART3000RM2U UPS System
- PowerAlert Software with USB, Serial & EPO cabling
- 4-post rackmount installation kit
- Instruction manual

#### Features

- Tripp Lite SMART3000RM2U line interactive 2U rack/tower UPS with 3000VA / 3kVA capacity (1600W maximum load with external battery packs)
- Line interactive UPS with Automatic Voltage Regulation (AVR) corrects brownouts and overvoltages from 83 to 145V
- NEMA L5-30P input plug; 8 NEMA 5-15/20R and 1 L5-30R output receptacles, Two independently switchable output load banks
- Maintains uninterrupted operation of connected networking equipment during blackouts, surges, brownouts and overvoltages
- High 98% efficiency rating in line-power mode offers reduced power consumption and BTU emissions
- Internal batteries offer 10 minutes at 50% load (1125W) and 3.5 minutes at 100% load (2250W)
- Extended runtime is available with optional BP48V24-2U (limit 1) OR BP48V60RT3U (no limit) external battery packs (max output de-rates to 1600 watts with external batteries)
- External battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)
- Hot-swappable, user-replaceable internal batteries and external battery packs can be replaced with no disruption to connected equipment
- Front panel LCD monitoring screen with MODE and ENTER buttons reports operating mode with 5-bar battery charge graphic, plus 7 selectable screens of detailed UPS and site power information

- LCD interface also supports a number of advanced user setup and operating preferences
- Ships with 4 post rackmount installation hardware; Optional 2POSTRMKITWM enables 2 post rackmount/wallmount installation; Optional 2-9USTAND enables tower placement
- Built-in USB, RS-232 and optional SNMPWEBCARD accessory monitoring options
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Included PowerAlert UPS monitoring software; Built-in Emergency Power Off (EPO) interface with cable

## Specifications

<b>OUTPUT</b>	
Output Volt Amp Capacity (VA)	3000
Output kVA capacity (kVA)	3
Output Watt Capacity (watts)	2250
Output kW capacity	2.25
Output power factor	0.75
Nominal Output Voltage(s) Supported	120V
Frequency compatibility	60 Hz
Output voltage regulation (line mode)	-14%, +6%
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	8 5-15/20R outlet(s); 1 L5-30R outlet(s)
Built-in controllable switched load banks	Two switchable single-outlet load banks
Output circuit breaker	Two 20A output breakers protect 4 5-15/20R outlets each
Output AC waveform (AC mode)	Pure Sine wave
Output AC waveform (battery mode)	Pure Sine wave
<b>INPUT</b>	
Rated input current (at maximum load)	24A
Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	L5-30P
UPS Input cord length (ft.)	10
UPS Input cord length (m)	3
Recommended Electrical Service	30A 120V

**BATTERY**

**Full load runtime (minutes)** 3.5 min. (2250w)

**Half load runtime (minutes)** 10 min. (1125w)

**Expandable battery runtime** Extended runtime supported via optional external battery packs

**External battery pack compatibility** [BP48V24-2U](#) (limit 1); [BP48V60RT-3U](#) (multi-pack compatible)

**DC system voltage (VDC)** 48

**Battery recharge rate (included batteries)** Less than 4.5 hours from 10% to 90%

**Replacement battery cartridge (internal UPS battery replacement)** [RBC94-2U](#)

**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 83 to 145

**Overvoltage correction** Input voltages between 127 and 145 are reduced by 12%

**Undervoltage correction** Input voltages between 108 and 96 are boosted by 12%

**Severe undervoltage correction** Input voltages between 83 and 95 are boosted by 24%

**LEDS ALARMS & SWITCHES**

**Front panel LCD display** Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, operating mode, alarm function and a variety of additional options (see manual for detailed LCD configuration and monitoring options)

**Alarms** Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions

**Alarm cancel operation** Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available

**Switches** 3 pushbutton switches control OFF / ON power status, MODE selection and MUTE / ENTER control functions

**SURGE / NOISE SUPPRESSION**

**UPS AC suppression joule rating** 570

**UPS AC suppression response time** Instantaneous

**EMI / RFI AC noise suppression** Yes

**PHYSICAL**

<b>Installation form factors supported with included accessories</b>	4 post 19 inch rackmount (mounting rail kit included)
<b>Installation form factors supported with optional accessories</b>	2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND)
<b>Primary form factor</b>	Rackmount
<b>UPS / Power Module dimensions in primary form factor (height x width x depth / inches)</b>	3.5 x 17.5 x 19.5
<b>UPS / Power Module dimensions in primary form factor (height x width x depth / cm)</b>	8.9 x 44.4 x 49.5
<b>Rack Height</b>	2U
<b>Secondary form factor</b>	Tower (requires <a href="#">2-9USTAND</a> )
<b>UPS / Power Module weight (lbs)</b>	62.8
<b>UPS / Power Module weight (kg)</b>	28.5
<b>UPS Shipping dimensions (height x width x depth / inches)</b>	7.9 x 21.7 x 24.2
<b>UPS Shipping dimensions (height x width x depth / cm)</b>	20.1 x 61.5 x 62
<b>Shipping weight (lbs)</b>	73.8
<b>Shipping weight (kg)</b>	33.5
<b>Cooling method</b>	Fan
<b>UPS housing material</b>	Steel
<b>ENVIRONMENTAL</b>	
<b>Operating Temperature Range</b>	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
<b>Storage Temperature Range</b>	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
<b>Relative Humidity</b>	0 to 95%, non-condensing
<b>AC mode BTU / hr. (full load)</b>	189
<b>Operating Elevation (ft.)</b>	0-3000m / 0-10,000 ft.
<b>COMMUNICATIONS</b>	
<b>Communications interface</b>	USB (HID enabled); DB9 Serial; Slot for SNMP/Web interface

<b>Network monitoring port description</b>	Supports detailed monitoring of UPS and site power conditions
<b>PowerAlert software</b>	Included
<b>Communications cable</b>	USB and DB9 cabling included
<b>WatchDog compatibility</b>	Supports Watchdog application, OS and hard-reboot restart options for remote applications
<b>LINE / BATTERY TRANSFER</b>	
<b>Transfer time</b>	5 milliseconds (AC to battery); 1 millisecond (battery to AC)
<b>Low voltage transfer to battery power (setpoint)</b>	83
<b>High voltage transfer to battery power (setpoint)</b>	145
<b>SPECIAL FEATURES</b>	
<b>Grounding lug</b>	Includes back panel grounding lug
<b>Cold Start (startup in battery mode during a power failure)</b>	Cold-start operation supported
<b>High availability UPS features</b>	Hot swappable batteries
<b>Green &amp; high efficiency features</b>	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
<b>CERTIFICATIONS</b>	
<b>UPS Certifications</b>	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI)
<b>WARRANTY</b>	
<b>Product Warranty Period (Worldwide)</b>	2-year warranty, 3 year with <a href="#">registration</a> . Note: <a href="#">registration</a> is required for 3-year warranty.
<b>Connected Equipment Insurance (U.S., Canada &amp; Puerto Rico)</b>	\$250,000 <a href="#">Ultimate Lifetime Insurance</a>

## Related Items

### Optional Products

Related Model	Description	Qty.
<a href="#">BP48V24-2U</a>	BP48V242U - External Battery Pack for UPS System	1
<a href="#">BP48V60RT-3U</a>	External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector	1
<a href="#">CT120</a>	Instant-Read- AC Outlet Circuit Tester	1
<a href="#">DCATV</a>	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	1
<a href="#">DNET1</a>	Network Surge Suppressor - Essential protection for data and communication lines	1
<a href="#">DTEL2</a>	Network Surge Suppressor - Essential protection for data and communication lines	1
<a href="#">ENVIROSENSE</a>	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	1

<a href="#">PDU1220</a>	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	1
<a href="#">PS7224-20</a>	Tripp Lite Power Strip - Multiple outlets wherever you need them	1
<a href="#">SNMPWEBCARD</a>	For remote monitoring and control via SNMP, Web, or Telnet.	1
<a href="#">U022-010</a>	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	1
<a href="#">WEXT5-2200-3000</a>	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA or less	1
<a href="#">2-9USTAND</a>	Enables Tower Placement of Rackmount UPS Systems	1
<a href="#">2POSTRMKITWM</a>	Enables 2-Post Rackmount or Wallmount Installation of Select Rackmount UPS Systems	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at [www.tripplite.com/en/products/model.cfm?variables.txtModelID=3025](http://www.tripplite.com/en/products/model.cfm?variables.txtModelID=3025).

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