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## Model #: SMART5000XFMRXL

### SmartPro 3U Rack/Tower Extended Run UPS - Line interactive, sine wave UPS with integrated switched PDU and current monitoring

#### Highlights



- 5000VA 208/120V Sine Wave Expandable Rack/Tower UPS - All-in-one chassis requires 3 rack spaces total
- Battery Independent AVR corrects brownouts to 167V and overvoltages to 260V
- Multiple interfaces - USB, DB9 serial, SNMPWEBCARD Slot
- Integrated Switched PDU with Current Monitoring and 8 single-outlet load banks
- 11 Outlets (2 L6-20, 1 L6-30, 8 NEMA 5-15/20R)
- \$250,000 [Ultimate Lifetime Insurance](#) (USA, Puerto Rico & Canada only)

#### Description

Tripp Lite 5kVA Smart RM UPS. 5000VA 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. Corrects brownouts and overvoltages from 167V to 260V. Sine wave output. Maintains battery-derived AC output during blackouts and severe voltage fluctuations. Expandable runtime with optional external battery packs. 11 output receptacles. NEMA L6-30P input connection with support for user-supplied 50A 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 utility power conditions via all network interfaces simultaneously. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. Integrated 8-bank switched PDU. 3-stage metered current monitoring and battery charge LEDs. Utility power and voltage regulation LEDs. Audible alarm. Self-test. 4-post rack mounting accessories included; 2-9USTAND and 2POSTRMKITWM accessories available. Field-replaceable, hot-swappable internal batteries and battery packs. Attractive all-black color scheme. 2-year warranty and \$250,000 [connected equipment insurance](#); extended warranty and service contracts available.

#### Package Includes

- SMART 5000XFMRXL UPS System
- PowerAlert Software and Cabling
- Mounting hardware for 4-post rackmount installation
- Warranty information
- Instruction manual

#### Features

- 5000VA/3750 watt max. output power capacity compatible with North American 208V/60Hz input voltage
- Supports full output at either 208V or 120V
- 3U rack/tower UPS installs in standard 19 inch rack enclosures with an installed depth of only 22.5 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 27/10 minutes with internal batteries
- Includes 11 output receptacles (2 L6-20, 1 L6-30 & 8 NEMA 5-15/20R)
- Ships with installed L6-30P input plug, supports user supplied 50A replacement plug or hardwire input
- Integrated 8 bank switched PDU enables remote outlet management for load shedding or remote reboot of individual devices
- 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 2POSTRMKIT accessory
- Supports upright tower placement with optional 2-9USTAND accessory
- UL (USA), cUL (Canada), NOM (Mexico), TUV, FCC Class A (Emissions) listed
- 2 year manufacturer's product warranty, \$250,000 [Ultimate Lifetime Insurance](#)

## Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	5000
Output kVA capacity (kVA)	5
Output Watt Capacity (watts)	3750
Output kW capacity	3.8
Output power factor	0.8
Nominal Output Voltage(s) Supported	120V; 208V
Frequency compatibility	60 Hz
Output voltage regulation (line mode)	208 & 120V (+/- 10%)
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	8 5-15/20R outlet(s); 2 L6-20R outlet(s); 1 L6-30R outlet(s)
Built-in controllable switched load banks	Eight switchable single-outlet 5-15/20R load banks
Output circuit breaker	20A double pole breaker supports L6-20R outlets, 20A branch rated breaker (x2) supports 4 5-15/20R outlets each, L6-30R outlet is unbreakered
Basic PDU options	<a href="#">PDU1220</a> (1U / 13 5-15/20R outlets); <a href="#">PDU1230</a> (1U / 2 C19, 16 C13 outlets); <a href="#">PDUNV</a> (1U / 2 C19, 12 C13 outlets); <a href="#">PDUV20</a> (0U / 12 5-15/20R outlets); <a href="#">PDU40TDUAL</a> (0U / 40 5-15/20R outlets); <a href="#">PDUV30HV</a> (0U / 6 C19, 32 C13 outlets)

<b>Metered PDU options</b>	<a href="#">PDUMH20</a> (1U / 13 5-15/20R outlets); <a href="#">PDUMH20AT</a> (1U / 16 5-15/20R outlets)*; <a href="#">PDUMV20</a> (0U / 16 5-15/20R outlets); <a href="#">PDUMV40</a> (0U / 32 5-15/20R outlets); <a href="#">PDUMV20HV</a> (0U / 6 C19, 32 C13 outlets); <a href="#">PDUMV30HV</a> (0U / 6 C19, 24 C13 outlets)
<b>Switched PDU options</b>	<a href="#">PDUMH20ATNET</a> (1U / 16 5-15/20R outlets)*; <a href="#">PDUMH20HVNET</a> (1U / 8 C13 outlets); <a href="#">PDUMH30HVNET</a> (2U / 16 C13 outlets); <a href="#">PDUMV20NET</a> (0U / 24 5-15/20R outlets); <a href="#">PDUMV20HVNET</a> (0U / 4 C19, 24 C13 outlets); <a href="#">PDUMV30HVNET</a> (0U / 4 C19, 24 C13 outlets)
<b>Output AC waveform (AC mode)</b>	Sine wave
<b>Output AC waveform (battery mode)</b>	Sine wave
<b>INPUT</b>	
<b>Rated input current (at maximum load)</b>	27A
<b>Nominal Input Voltage(s) Supported</b>	208V AC
<b>UPS input connection type</b>	L6-30P
<b>UPS Input cord length (ft.)</b>	10
<b>UPS Input cord length (m)</b>	3
<b>Recommended Electrical Service</b>	30A 208V
<b>BATTERY</b>	
<b>Full load runtime (minutes)</b>	8.5 min. (3750w)
<b>Half load runtime (minutes)</b>	20 min. (1875w)
<b>Expandable battery runtime</b>	Extended runtime supported via optional external battery packs
<b>External battery pack compatibility</b>	BP48V60RT3U (multi-pack compatible)
<b>DC system voltage (VDC)</b>	48
<b>Battery recharge rate (included batteries)</b>	Less than 4 hours from 10% to 90%
<b>Replacement battery cartridge (internal UPS battery replacement)</b>	<a href="#">RBC94-3U</a> (quantity 3)
<b>Battery Access</b>	Front panel battery access door
<b>Battery replacement description</b>	Hot-swappable, user replaceable batteries
<b>VOLTAGE REGULATION</b>	
<b>Voltage regulation description</b>	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 167 to 260
<b>Overvoltage correction</b>	Input voltages between 228 and 260 are reduced by 12%

<b>Undervoltage correction</b>	Input voltages between 167 and 194 are boosted by 12%
<b>LEDS ALARMS &amp; SWITCHES</b>	
<b>LED Indicators</b>	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
<b>Alarms</b>	Audible alarm indicates power-failure, overload and low-battery conditions
<b>Alarm cancel operation</b>	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
<b>Switches</b>	2 Switches control off/on power status and alarm-cancel/self-test operation
<b>SURGE / NOISE SUPPRESSION</b>	
<b>UPS AC suppression joule rating</b>	1020
<b>UPS AC suppression response time</b>	Instantaneous
<b>EMI / RFI AC noise suppression</b>	Yes
<b>PHYSICAL</b>	
<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); 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>	5.2 x 17.5 x 25
<b>UPS / Power Module dimensions in primary form factor (height x width x depth / cm)</b>	13.3 x 44.4 x 63.5
<b>Installed whole system total rack space height (rack spaces)</b>	3U
<b>Secondary form factor</b>	Tower (requires <a href="#">2-9USTAND</a> )
<b>Installed whole system dimensions in secondary form factor (height x width x depth / inches)</b>	17.5 x 5.2 x 25
<b>UPS dimensions in secondary form factor (height x width x depth / cm)</b>	44.4 x 13.3 x 63.5
<b>UPS / Power Module weight (lbs)</b>	143.3

<b>UPS / Power Module weight (kg)</b>	65.1
<b>UPS Shipping dimensions (height x width x depth / inches)</b>	11.2 x 23 x 31.5
<b>UPS Shipping dimensions (height x width x depth / cm)</b>	28.6 x 58.4 x 80
<b>Shipping weight (lbs)</b>	181.9
<b>Shipping weight (kg)</b>	82.6
<b>UPS housing material</b>	Steel
<b>Cooling method</b>	Fan
<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>	671.1
<b>Battery mode BTU / hr. (full load)</b>	1416.7
<b>COMMUNICATIONS</b>	
<b>Communications interface</b>	USB; DB9 Serial; EPO (emergency power off); 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>	2-4 milliseconds
<b>Low voltage transfer to battery power (setpoint)</b>	167
<b>High voltage transfer to battery power (setpoint)</b>	260
<b>SPECIAL FEATURES</b>	
<b>Grounding lug</b>	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); ROHS (Reduction of Hazardous Substances)
<b>WARRANTY</b>	
<b>Product Warranty Period (U.S., Canada &amp; Puerto Rico)</b>	2 years
<b>Connected Equipment Insurance (U.S., Canada &amp; Puerto Rico)</b>	\$250,000 connected equipment insurance

## Related Items

### Optional Products

Product Type	Related Model	Description	Qty.
Power Distribution	<a href="#">PDU1220</a>	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
Power Distribution	<a href="#">PS7224-20</a>	Tripp Lite Power Strip - Multiple outlets wherever you need them	-
Power Distribution	<a href="#">PDU12IEC</a>	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
Power Distribution	<a href="#">PDU2430</a>	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
SNMP Accessories	<a href="#">SNMPWEBCARD</a>	For remote monitoring and control via SNMP, Web, or Telnet.	-
SNMP Accessories	<a href="#">ENVIROSENSE</a>	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	-
USB Hubs/Accessories	<a href="#">U022-010</a>	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	-
Surge Protectors	<a href="#">DNET1</a>	Network Surge Suppressor - Essential protection for data and communication lines	-
Surge Protectors	<a href="#">DTEL2</a>	Network Surge Suppressor - Essential protection for data and communication lines	-
Extended Warranties	<a href="#">WEXT3-5000TEL</a>	3-Year Extended Warranty - For SMART5000TEL3U only	-
Extended Warranties	<a href="#">WEXT5-5000TEL</a>	5-Year Extended Warranty - For SMART5000TEL3U only	-
External Battery Packs	<a href="#">BP48V60RT-3U</a>	External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector	-
Tower Stands	<a href="#">2-9USTAND</a>	Enables Tower Placement of Rackmount UPS Systems	-
UPS Accessories	<a href="#">MODBUSCARD</a>	For remote monitoring and control via MODBUS protocol	-
Rackmount/Wallmount Kits	<a href="#">2POSTRMKITHD</a>	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=3083](http://www.tripplite.com/en/products/model.cfm?txtModelID=3083).

