



**Tripp Lite**  
1111 West 35th Street  
Chicago, IL 60609 USA  
Telephone: +(773) 869 1234  
E-mail: [saleshelp@tripplite.com](mailto:saleshelp@tripplite.com)

## 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.

#### Applications

Ideal for protection of sensitive electronics in any application calling for upright tower or 19-in. rackmount UPS protection. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems

#### 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

SYSTEM OVERVIEW	
<b>Voltage compatibility</b>	208V
<b>Frequency compatibility</b>	60Hz
OUTPUT	
<b>Output VA</b>	5000
<b>Output watts</b>	3750
<b>Output nominal voltage</b>	208V & 120V
<b>Output voltage regulation</b>	LINE MODE: Sine wave line voltage 208V & 120V (+/-10%) BATTERY MODE: 208V & 120V (+/-5%)
<b>Output frequency regulation</b>	LINE MODE: Passes line frequency of 60Hz +/-10%, BATTERY MODE: Inverter output regulated to 60Hz (+/-0.5Hz)
<b>Outlet quantity / type</b>	1 NEMA L6-30R, 2 NEMA L6-20R and 8 NEMA 5-15/20R
<b>Customized load management receptacles</b>	Includes 8 single-outlet NEMA 5-15/20R load banks that support on-demand load shedding and remote reboot of locked network devices. Controllable via PowerAlert software to switch off optional loads, e.g. monitors, to increase available runtime for servers and other critical devices
<b>Overload protection</b>	Resettable circuit breakers
INPUT	
<b>Maximum input amps</b>	27A
<b>Input connection type</b>	NEMA L6-30P
<b>Input cord length</b>	10 ft./3m
<b>Recommended electrical service</b>	208V 30A or optional 208V 50A input supported
BATTERY	

<b>Full load runtime</b>	8.5 min. (5000VA) expandable
<b>Half load runtime</b>	20 min. (2500VA) expandable
<b>Expandable battery runtime</b>	Expandable runtime with optional BP48V60RT3U external battery packs
<b>DC system voltage</b>	48VDC
<b>Typical battery lifespan</b>	3-6 years, depending on usage
<b>Battery recharge rate</b>	2-4 hours to 90%
<b>Replacement Battery Cartridge</b>	Qty 3 RBC94-3U
<b>VOLTAGE REGULATION</b>	
<b>Voltage regulation description</b>	Automatic voltage regulation (AVR) circuits maintain clean, regulated computer-grade 208/120V nominal output, without using battery power, during brownouts to 167V and overvoltages to 260V
<b>Overvoltage correction</b>	Input voltages between 228 and 260 are reduced by 12%
<b>Direct pass through</b>	Input voltages between 199 and 227 are passed through unchanged
<b>Brownout correction</b>	Input voltages between 167 and 194 are boosted by 12%
<b>LEDS ALARMS &amp; SWITCHES</b>	
<b>Front panel LEDs</b>	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
<b>Alarms</b>	3-function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
<b>Switches</b>	2 front panel-mounted pushbutton switches for system enable, self-test and alarm cancel functions
<b>SURGE / NOISE SUPPRESSION</b>	
<b>AC surge suppression</b>	1020 joules
<b>AC suppression response time</b>	Instantaneous
<b>EMI / RFI AC noise suppression</b>	Yes
<b>PHYSICAL</b>	
<b>Shipping weight (lbs)</b>	181.88
<b>Shipping weight (kg)</b>	82.6
<b>Shipping Dimensions (HWD/in)</b>	11.25 x 23 x 31.5
<b>Shipping Dimensions (HWD/cm)</b>	28.6 x 58.4 x 80
<b>Unit weight (lbs)</b>	143.3
<b>Unit weight (kg)</b>	65.1
<b>Unit Dimensions (HWD/in)</b>	5.25 x 17.5 x 25
<b>Unit Dimensions (HWD/cm)</b>	13.3 x 44.5 x 63.5
<b>Material of construction</b>	Steel
<b>Form factors supported</b>	Rack (3U)
<b>Cooling method</b>	Built-in cooling fan

<b>Battery Access</b>	Battery access door allows hot-swap battery replacement without powering connected equipment off
<b>ENVIRONMENTAL</b>	
<b>Operating Temperature</b>	+32 to +104 degrees Fahrenheit
<b>Storage Temperature</b>	+5 to +122 degrees Fahrenheit
<b>Relative Humidity</b>	0 to 95%, non-condensing
<b>Line mode BTU/hr. (Max.)</b>	669.8 BTU / hr. (at full load)
<b>Battery mode BTU/hr. (Max.)</b>	1417 BTU / hr. (at full load)
<b>COMMUNICATIONS</b>	
<b>Network monitoring port</b>	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
<b>Software and cabling included</b>	Includes PowerAlert UPS monitoring software for all common network and stand-alone operating systems. Ships with USB and DB9 serial cables
<b>SNMP compatibility</b>	Built-in accessory slot accommodates internal SNMP/Web card and other network accessories
<b>WatchDog compatibility</b>	Compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment via soft reboot of applications/OS or hard power off/on reboot of connected equipment; ideal for unattended kiosk applications
<b>LINE / BATTERY TRANSFER</b>	
<b>Transfer time from line power to battery mode</b>	2-4 milliseconds
<b>Low voltage transfer to battery power</b>	167VAC (resets to line power as voltage increases to 176VAC)
<b>High voltage transfer to battery power</b>	260V (resets to line power as voltage decreases to 254VAC)
<b>CERTIFICATIONS</b>	
<b>Certifications</b>	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), NOM (Mexico), Class A (emissions)
<b>WARRANTY</b>	
<b>Product warranty</b>	2 year product warranty
<b>Connected equipment insurance (USA and Canada Only)</b>	\$250,000 connected equipment insurance (USA / Canada only)
<b>Optional coverage</b>	3 year, 5 year, next day and on-site warranty coverage available for select opportunities
<b>SPECIAL FEATURES</b>	
<b>EPO port</b>	Includes RJ11 EPO (emergency power off) port and interconnection cable
<b>TVSS grounding</b>	Includes back panel grounding point with thubscrew for data line surge suppressors and other network accessories requiring a safe grounding point
<b>Cold Start</b>	Inverter can be cold-started to provide temporary AC output during a power failure
<b>Appearance</b>	Attractive all-black housing
<b>BATTERY PACK ACCESSORY (optional)</b>	
<b>Battery Pack Accessory (optional)</b>	BP48V60RT3U

More information, including related products, owner's manuals, and additional technical specifications, can be found online at [www.tripplite.com/products/model.cfm?txtModelID=3083](http://www.tripplite.com/products/model.cfm?txtModelID=3083).

