



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 \$250,000connected 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					
Voltage compatibility	208V				
Frequency compatibility	60Hz				
OUTPUT					
Output VA	5000				
Output watts	3750				
Output nominal voltage	208V & 120V				
Output voltage regulation	LINE MODE: Sine wave line voltage 208V & 120V (+/-10%) BATTERY MODE: 208V & 120V (+/-5%)				
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10%, BATTERY MODE: Inverter output regulated to 60Hz (+/-0.5Hz)				
Outlet quantity / type	1 NEMA L6-30R, 2 NEMA L6-20R and 8 NEMA 5-15/20R				
Customized load management receptacles	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				
Overload protection	Resettable circuit breakers				
INPUT					
Maximum input amps	27A				
Input connection type	NEMA L6-30P				
Input cord length	10 ft./3m				
Recommended electrical service	208V 30A or optional 208V 50A input supported				
BATTERY					

Half load runtime 20 min. (2500VA) expandable Expandable buttery Expandable runtime with optional BP48V60RT3U external battery packs Typical battery 48VDC Typical battery 3-5 years, depending on usage History recharge rate 2-4 hours to 90% Replacement abstry certaing 2-4 hours to 90% Replacement abstroy carridge 3-7 Notate regulation (AVR) circuits maintain clean, regulated computer-grade 208/120V nominal output, without description using battery power, during brownouts to 16TV and overvoitages to 260V VOLTAGE regulation 3-1 Input voltages between 228 and 260 restouched by 12% correction Input voltages between 199 and 227 are passed through unchanged Brownout correction Input voltages between 199 and 227 are passed through unchanged Brownout correction Input voltages between 199 and 227 are passed through unchanged Brownout correction Input voltages between 199 and 227 are passed through unchanged Brownout correction Input voltages between 199 and 227 are passed through unchanged Brownout correction Input voltages between 199 and 277 are passed through unchanged Brownout correction Input voltages between 199 and 277 are passed through unchanged Brownout correction Input voltages between 199 and 277 are passed through unchanged Brownout correction Input voltages between 199 and 277 are passed through unchanged Brownout correction Input voltages between 199 and 277 are passed through unchanged Brownout correction Input voltages between 199 and 277 are passed through unchanged Brownout correction Input voltages between 199 and 277 are passed through unchanged Brownout correction Input voltages between 199 and 277 are passed through unchanged Brownout correction Input voltages between 199 and 277 are passed through unchanged Brownout correction Input voltages between 199 and 277 are passed through unchanged Brownout correction Input voltages between 199 and 277 are passed through unchanged Brownout correction Input voltages between 199 and 277 are passed through unchanged Brownout correction Input voltages between	Full load runtime	8.5 min. (5000VA) expandable					
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Material of construction Form factors supported Rack (3U)		5.25 x 17.5 x 25					
Form factors supported Rack (3U)		13.3 x 44.5 x 63.5					
supported		Steel					
Cooling method Built-in cooling fan	Form factors supported	Rack (3U)					
	Cooling method	Built-in cooling fan					

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