SmartPro 208 & 120V 5kVA 3.75kW Line-Interactive Sine Wave UPS, 3U, Extended Run, Network Card Options, USB, DB9, TAA

MODEL NUMBER: **SMART5000XFMRXL**







Highlights

- 5kVA / 5000VA line interactive 3U rack/tower UPS; Sine wave output
- 208 and 120V output during brownouts to 167 and overvoltages to 260V
- USB, Serial, EPO and Network Management Card options
- 3U all-in-one chassis; 8 single-outlet switched load banks; 97% efficiency
- NEMA L6-30P input; 8 NEMA 5-15/20R, 2 L6-20R and 1 L6-30R outlets
- To use the Auto Probe feature, this product requires a WEBCARDLX network interface (sold separately) running LX firmware update 15.5.2 or later

Package Includes

- SMART 5000XFMRXL UPS System
- USB & DB9 Serial Cabling
- Mounting hardware for 4-post rackmount installation
- Instruction manual

Description

5000VA line-interactive UPS for server, network and telecommunications equipment with internal batteries requires 3U installed. Accepts 208V nominal input voltage. Simultaneous 208V and 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. Eleven 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 slot for Network Management Card options. Supports simultaneous detailed monitoring of equipment load levels, self-test data and utility power conditions via all network interfaces simultaneously. PowerAlert® UPS monitoring software is available via free download. Emergency Power Off (EPO) interface. Integrated eight-bank switched PDU. Three-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 2POSTRMKITHD accessories available. Field-replaceable, hot-swappable internal batteries and battery packs.

Features

- 5000VA/3750 watt max. output power capacity compatible with North American 208V/60 Hz 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 25 inches / 63.5cm
- 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 slot for Network Management Card option
- Compatible with UPS management card options TLNETCARD, WEBCARDLX and SNMPWEBCARD
- USB & Serial ports enable data-saving unattended shutdown when used with PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert
- Built-in Emergency Power Off (EPO) interface with cable
- Sine wave output in AC and battery mode

- Expandable runtime with optional BP48V60RT-3U and BP48V27-2US external battery packs
- Half/full load runtime of 20/8.5 minutes with internal batteries
- Intelligent battery management system extends battery life
- 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 upright tower placement with optional 2-9USTAND accessory

Specifications

OVERVIEW	
UPC Code	037332121462
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	24A
Nominal Input Voltage(s) Supported	208V AC
UPS Input Connection Type	L6-30P
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	30A 208V
Maximum Input Amps	24
OUTPUT	
Output Capacity (VA)	5000
Output Capacity (kVA)	5
Output Capacity (Watts)	3750
Output Capacity (kW)	3.75
Power Factor	0.75
Nominal Voltage Details	208/120V nominal output in battery mode
Frequency Compatibility	60 Hz

Output Voltage Regulation (Line Mode)	208 & 120V (+/- 10%)
Output Voltage Regulation (Battery Mode)	+/- 5%
Load Management Receptacles	Eight switchable single-outlet 5-15/20R load banks
Output Circuit Breakers	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
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	110V; 115V; 120V; 208V
Output Receptacles	(8) 5-15/20R; (2) L6-20R; (1) L6-30R
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	8.5 min. (3750W)
Runtime Half Load (min.)	20 min. (1875W)
Expandable Runtime	Yes
External Battery Pack Compatibility	BP48V27-2US (multi-pack compatible); BP48V60RT-3U (multi-pack compatible)
DC System Voltage (VDC)	48
Battery Recharge Rate (Included Batteries)	6.8 hours from 10% to 90% (typical, full load discharge)
Battery Access	Front panel battery access door
Internal UPS Replacement Battery Cartridge	RBC94-3U (quantity 3)
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 167 to 260
Overvoltage Correction	Input voltages between 228 and 260 are reduced by 12%
Undervoltage Correction	Input voltages between 167 and 194 are boosted by 12%
USER INTERFACE, ALERTS & CONTROLS	
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Audible Alarm	Audible alarm indicates power-failure, overload and low-battery conditions
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status

SURGE / NOISE SUPPRESSION	
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	1020
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Rackmount
Rack Height	3U
Cooling Method	Fan
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)
Minimum Required Rack Depth (cm)	71.12
Minimum Required Rack Depth (inches)	28
Minimum Required Rack Depth with External Battery Pack (cm)	81
Minimum Required Rack Depth with External Battery Pack (in.)	32
Minimum Required Rack Depth without External Battery Pack (cm)	76
Minimum Required Rack Depth without External Battery Pack (in.)	30
Primary UPS Depth (mm)	635
Primary UPS Height (mm)	132
Primary UPS Width (mm)	445
Shipping Dimensions (hwd / in.)	12.00 x 23.00 x 33.00
Shipping Dimensions (hwd / cm)	30.48 x 58.42 x 83.82
Shipping Weight (lbs.)	191.33
Shipping Weight (kg)	86.79
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	13.21 x 44.45 x 63.50
UPS Power Module Dimensions (hwd, in.)	5.2 x 17.5 x 25
UPS Power Module Weight (kg)	65.00
UPS Power Module Weight (lbs.)	143.3
Unit Weight (lbs.)	143.3000
Unit Weight (kg)	65.00

ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	5 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	366
AC Mode Efficiency Rating (100% Load)	97%
Audible Noise	45 dBA maximum, front side 1m
COMMUNICATIONS	
Network Management Cards	TLNETCARD ; WEBCARDLXE
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert software at https://tripplite.eaton.com/products/power-alert
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB
LINE / BATTERY TRANSFER	
Transfer Time	7 ms (AC to Battery); 1 ms (Battery to AC) typical
Low Voltage Transfer to Battery Power (Setpoint)	167
High Voltage Transfer to Battery Power (Setpoint)	260
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring and Reboot (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
Grounding Details	Back panel grounding lug
APPLICATIONS	
UPS Applications	Large Network
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); CAN/CSA-C22.2 No. 107.3 (Canada); IEC/EN 62040; NOM (Mexico); UL 1778

Product Compliance	RoHS; FCC Part 15 Class A (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
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

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