SmartPro 120V 3kVA 2.88kW Line-Interactive Sine Wave UPS, Hot-Swap, 2U, Extended Run, Network Card Options, USB, DB9

MODEL NUMBER: **SMART3000RMOD2U**







Highlights

- 3kVA / 3000VA / 2880W line interactive 2U rack/tower UPS, Sine Wave
- 100/120/127V output, Corrects brownouts and overvoltages 90 to 146V
- 0.96 Power Factor, Front panel status LEDs
- Hot-swappable internal UPS power module
- Extended runtime options up to 2880W
- 4 post compatible mounting
- 95% line-mode efficiency, 2 switched load banks
- USB, RS232, EPO and slot for Network Management Card options
- 120V NEMA L5-30P input, 6 NEMA 5-15/20R and 1 L5-30R outlets
- This product is ENERGY STAR qualified for its ability to save customers money while helping to protect the environment

Package Includes

- UPS chassis pre-loaded with hot-swappable UPS electronics module and internal battery module
- USB, DB9 and EPO cabling
- 4 post rackmount installation accessories
- Owner's manual

Description

3000VA / 3kVA 120V modular line interactive 2U rack / tower UPS for networks offers complete network-grade power protection with full support for hot-replacement of separate internal battery and electronics modules. High .96 power factor supports loads up to 2880 watts. High efficiency rating of 95% reduces electrical operating cost and BTU emissions. Offers selectable 110/120/127V 50/60Hz operation. Maintains battery derived sine wave AC output during power failures. Line-interactive dual-boost, single cut automatic voltage regulation (AVR) provides regulated 110/120/127V nominal output during brownouts and overvoltages. Includes NEMA L5-30P input plug and 7 UPS-supported output receptacles (6 x 5-15R, 1 x L5-30R). Includes two individually controllable load banks, for advanced remote-reboot and load-shedding applications. Network-grade AC surge and noise suppression. Network management interfaces support simultaneous communications via USB, DB9 serial and slot for Network Management Card option. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via all three network interfaces at once. Advanced LED indicators offer 5-stage metering of UPS load and battery charge levels, plus single-LED status indicators for utility power, voltage regulation, on-battery, overload, replace battery and site wiring fault conditions. Audible alarms provide notification of on-battery, low-battery and overload conditions. PowerAlert UPS monitoring software is available for free download. Internal batteries offer runtime of 11 minutes half load (1440 watts) and 4 minutes at full load (2880 watts). Runtime is expandable with optional BP72V15-2U (limit 1), BP72V28RT-3U (limit 4) and BP72V18-2US (limit 2) external battery packs. Supports installation in 4 post racks with included accessories. 2 post rackmount, wallmount and tower stand accessories sold separate.

Features

- 3000VA / 3kVA 120V modular line interactive 2U rack / tower UPS for networks
- Hot-swappable power module and internal battery packs enables full UPS maintenance with zero-downtime

- High power factor of .96 offers support for loads to 2880 watts
- High efficiency line power operation of 95% reduces UPS electrical operating cost and BTU emissions
- Supports selectable 110, 120 and 127V nominal voltage operation at 50/60 Hz
- Sine wave AC output in AC and battery modes
- Line-interactive UPS with Automatic Voltage Regulation (AVR)
- L5-30P input plug connects to 120V 30A utility receptacle
- Includes 7 UPS supported outlets (6 5-15R and 1 L5-30R)
- L5-30R outlet is ideal for the connection of a 120V 30A PDU to distribute the full UPS capacity to rack equipment
- 5-15R outlets are arranged in two separately breakered, individually controllable loading banks to support remote reboot or automated load shedding of less critical items (bank 1 has 2 outlets, bank 2 has 4 outlets).
- Network-grade 800 joule AC surge suppression
- Compatible with Tripp Lite UPS management card options WEBCARDLX, SNMPWEBCARD and RELAYIOCARD
- USB, DB9 serial and card-slot accessory are all available for simultaneous use in advanced network configurations
- HID compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert
- Advanced LED indicators offer 5-stage metering of UPS load and battery charge levels, plus single-LED status indicators for utility power, voltage regulation, on-battery, overload, replace battery and site wiring fault conditions.
- Audible alarms provide notification of on-battery, low-battery and overload conditions.
- Internal batteries offer runtime of 11 minutes half load (1440 watts) and 4 minutes at full load (2880 watts).
- Runtime is expandable with optional BP72V15-2U (limit 1), BP72V28RT-3U (limit 4) and BP72V18-2US (limit 2) external battery packs
- Some external battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)
- Intelligent battery management system extends battery life
- Supports 4 post rackmount installation with included accessories; add 2POSTRMKITWM for 2 post and wallmount applications; add 2-9USTAND accessory for upright tower support
- This product is ENERGY STAR qualified for its ability to save customers money while helping to protect the environment

Specifications

OVERVIEW	
UPC Code	037332140234
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	24A
Nominal Input Voltage(s) Supported	110V AC; 120V AC; 127V AC
UPS Input Connection Type	L5-30P

UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	30A 120V
Input Cord Length (ft.)	10
Input Cord Length (m)	3.05
OUTPUT	
Output Capacity (VA)	3000
Output Capacity (kVA)	3
Output Capacity (Watts)	2880
Output Capacity (kW)	2.88
Output Capacity Details	2400W max capacity with external battery packs connected
Power Factor	0.96
Nominal Voltage Details	120V default
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Automatic frequency selection
Output Voltage Regulation (Line Mode)	120V: -7% +9%, 110V: -8% + 11%, 127V: -9% +9%
Output Voltage Regulation (Battery Mode)	+/-5%
Load Management Receptacles	Two switchable load banks - bank one consists of 2 5-15R outlets, bank 2 consists of 4 5-15R outlets
Output Circuit Breakers	15A (x2) - breaker 1 covers 2 5-15R outlets, breaker 2 covers 4 5-15R outlets, L5-30R outlet is unbreakered
Output AC Waveform (AC Mode)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	110V; 120V; 127V
Output Receptacles	(6) 5-15R; (1) L5-30R
Individually Controllable Load Banks	Yes
BATTERY	
Runtime Full Load (min.)	4 min. (2880w)
Runtime Half Load (min.)	11 min. (1440w)
Expandable Runtime	Yes
External Battery Pack Compatibility	BP72V15-2U (limit 1); BP72V28RT-3U (multi-pack compatible); BP72V18-2US (multi-pack compatible)
DC System Voltage (VDC)	72
Battery Recharge Rate (Included Batteries)	Less than 4 hours to 90% (typical, full load discharge)

Battery Access	Front panel battery access door
Internal UPS Replacement Battery Cartridge	RBC96-RMOD2U
Battery Replacement Description	Hot-swappable, replaceable batteries
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 90 to 146
Overvoltage Correction	Input voltages between 132 and 146 are reduced by 12%
Undervoltage Correction	Input voltages between 101 and 110 are boosted by 15%
Severe Undervoltage Correction	Input voltages between 90 and 100 are boosted by 30%
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 by pressing the on/test/mute switch
Audible Alarm	Audible alarm indicates on battery, low battery and overload warnings
LED Indicators	14 LEDs indicate line power, power fail, avr, fault, overload, replace battery and site wiring fault conditions; includes 5 LED load and battery charge meter
Site Wiring Fault Indication	Includes site wiring fault LED
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	800
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	800
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Rackmount
Rack Height	2U
Cooling Method	Fan
Included Mounting Accessory Description	4 post rackmount installation accessories included
Installation Form Factors Supported with Optional Accessories	2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND)
Minimum Required Rack Depth (cm)	88.90
Minimum Required Rack Depth (inches)	35
Primary UPS Depth (mm)	610
Primary UPS Height (mm)	89

Primary UPS Width (mm)	445
Shipping Dimensions (hwd / in.)	9.20 x 23.60 x 39.00
Shipping Dimensions (hwd / cm)	23.37 x 59.94 x 99.06
Shipping Weight (lbs.)	111.90
Shipping Weight (kg)	50.76
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	8.89 x 44.45 x 60.96
UPS Power Module Dimensions (hwd, in.)	3.5 x 17.5 x 24
UPS Power Module Weight (kg)	39.46
UPS Power Module Weight (lbs.)	87
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	518
AC Mode Efficiency Rating (100% Load)	95%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	1601
COMMUNICATIONS	
Network Management Cards	SNMPWEBCARD; WEBCARDLX; RELAYIOCARD
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, DB9 and EPO cabling included
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)
LINE / BATTERY TRANSFER	
Transfer Time	10 ms (line to battery) / 4 ms (battery to line)
Low Voltage Transfer to Battery Power (Setpoint)	90
High Voltage Transfer to Battery Power (Setpoint)	146
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries; Hot swappable UPS power module

WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

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