SmartPro UPS, Lithium Battery Backup - 120V 3kVA Line Interactive, 2U, Sine Wave, LCD

MODEL NUMBER: **SMART3000RM2UL**







3kVA UPS system with LiFePO4 battery protects equipment against damage and data loss due to brownouts, spikes and surges.

Features

Reliable LiFePO4 Battery Backup Offers Longer Life and Less Weight than Lead Acid Battery This SmartPro® UPS system features a state-of-the-art lithium iron phosphate (LiFePO4) internal battery with longer life, more cycles and faster recharge. It more than doubles the service life of an equivalent lead acid battery, and offers up to three times more charge/discharge cycles. It recharges to 100-percent capacity in less than two hours, making the lithium UPS system an ideal backup in case of power outage. The LiFePO4 battery weighs 60-percent less than an equivalent lead acid battery, which reduces the overall UPS weight.

120-Volt Battery Backup Keeps Equipment Operating Through Short Power Failures The SMART3000RM2UL provides up to 9.5 minutes (half load) and 3.5 minutes (full load) of battery backup, as well as AC power protection, for critical server, network and telecom equipment. In case of a prolonged blackout, the single-phase UPS system gives you enough time to save important data and perform an orderly system shutdown. With a 2250W capacity (3000VA), the line-interactive UPS system with automatic voltage regulation (AVR) maintains regulated 120V nominal output over an input range of 83V-145V without using battery power.

Protect Your Mission-Critical Rack Equipment Plug your equipment into the eight NEMA 5-15/20R and one NEMA L5-30R outlets. Two 5-15/20R outlets are switchable, allowing you to power connected equipment on and off remotely to reset or reboot connected equipment or to shed less significant loads to extend battery runtime for more critical equipment. All nine outlets are protected by 570-joule network-grade surge protection to fight off damaging power surges and spikes.

High Efficiency Operation Helps the Environment and Your Cash Flow Operating with a high 98% line-mode efficiency, this 3kVA UPS system can save BTU heat output and energy costs.

Advanced Communications Ports Connect to Any Workstation or ServerUSB and DB9 ports (cables are included) enable data-saving unattended shutdown when used with free downloadable PowerAlert® software. Capabilities include monitoring of equipment load level, self-test data and utility power conditions. The Emergency Power Off (EPO) interface offers options for instantaneous power-off of the UPS system and connected equipment in case of fire or other facility emergency. The SMART3000RM2UL is compatible with network management cards, such as WEBCARDLX, for detailed monitoring of UPS and site power conditions.

Multi-Function LCD and Audible Alarms Keep You Informed The front-panel LCD information and

Highlights

- Provides 3kVA/2.25kW capacity power protection for critical network components
- LiFePO4 battery backup lasts longer and weighs less than equivalent lead acid battery
- One NEMA L5-30R and 8 NEMA 5-15/20R outlets deliver power to rack equipment
- 570-joule surge protection shields connected devices from damaging surges and spikes
- High 98% line mode efficiency saves BTU heat output and reduces operating costs
- To enable the Auto Probe feature, this product requires LX firmware update 15.5.2 or later to be installed

Applications

- Deliver regulated sine wave output to connected equipment in a network closet or small-business network
- Protect point-of-sale and VoIP networks against power surges and spikes
- Keep your server room operational during short power failures and allow time for safe shutdowns during longer blackouts

Package Includes

- SMART3000RM2UL SmartPro UPS, Lithium Battery Backup
- USB cable
- DB9 cable
- EPO cable
- Rack-mounting hardware
- Owner’s manual

configuration screen displays detailed UPS and site power status and operating data, as well as input and output voltage, operating mode, alarm function and additional options. An alarm sounds to warn you of power failure, low battery, overload, UPS fault and remote shutdown conditions.

Versatile Installation Options Hardware is included for mounting the SmartPro UPS system in 2U of space in an EIA-standard 19-inch 4-post rack. Use the optional 2POSTRMKITWM for 2-post rack mounting or wall mounting. Use the optional 2-9USTAND for mounting in an upright tower position. A 10-ft. (3.05 m) power cord with NEMA L5-30P plug connects the SMART3000RM2UL to a compatible AC power source.

5-Year Warranty and $250K Ultimate Lifetime Insurance The SMART3000RM2UL comes with a 5-year warranty and $250,000 of Ultimate Lifetime Insurance for any connected components damaged by a power surge (U.S., Canada and Puerto Rico only).

Specifications

OVERVIEW	
UPC Code	037332207159
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	24A (120V)
Nominal Input Voltage(s) Supported	110V AC; 115V AC; 120V 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
OUTPUT	
Output Capacity (VA)	3000
Output Capacity (kVA)	3
Output Capacity (Watts)	2250
Output Capacity (kW)	2.25
Power Factor	0.75
Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-14%, +6%
Output Voltage Regulation (Battery Mode)	+/- 5%
Load Management Receptacles	Two switchable single-outlet load banks
Output AC Waveform (AC Mode)	Pure Sine wave

Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	110V; 115V; 120V
Output Receptacles	(8) 5-15/20R; (1) L5-30R
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Lithium-ion (LiFePO4)
Runtime Full Load (min.)	3.5 min. (2250W)
Runtime Half Load (min.)	9.5 min. (1125W)
Expandable Runtime	No
DC System Voltage (VDC)	48
Battery Recharge Rate (Included Batteries)	1.7 hours from 10% to 90% (typical, full load discharge)
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 83 to 145
Overvoltage Correction	Input voltages between 127 and 145 are reduced by 12%
Undervoltage Correction	Input voltages between 108 and 96 are boosted by 12%
Severe Undervoltage Correction	Input voltages between 83 and 95 are boosted by 24%
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, operating mode, alarm function and a variety of additional options (see manual for detailed LCD configuration and monitoring options)
Switches	3 pushbutton switches control OFF / ON power status, MODE selection and MUTE / ENTER control functions
Alarm Cancel Operation	Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	570
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Rackmount
Rack Height	2U
Cooling Method	Fan

Included Mounting Accessory Description	Included 4POSTRAILKIT mounting bracket enables installation in 4 post racks from 20.5 to 36 inches (521 to 914mm)
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	2 post rackmount (2POSTRMKITWM); 2-4 post front rail rackmount (UPSHDEARKIT); 4 post rackmount short-depth (4POSTRAILKITWM); Tower (2-9USTAND); Wallmount (2POSTRMKITWM)
Minimum Required Rack Depth (cm)	63.50
Minimum Required Rack Depth (inches)	25
Optional Mounting Accessory Notes	Optional 2-9USTAND enables upright tower UPS placement; 2POSTRMKITWM enables wall-mount and 2-post rackmount installation; 4POSTRAILKITWM enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm); UPSHDEARKIT enables installation in 2 or 4-post racks using front vertical rails only, without rear support
Primary UPS Depth (mm)	494
Primary UPS Height (mm)	87
Primary UPS Width (mm)	440
Shipping Dimensions (hwd / in.)	8.40 x 23.80 x 21.70
Shipping Dimensions (hwd / cm)	21.34 x 60.45 x 55.12
Shipping Weight (lbs.)	69.00
Shipping Weight (kg)	31.30
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	8.71 x 43.99 x 49.43
UPS Power Module Dimensions (hwd, in.)	3.43 x 17.32 x 19.46
UPS Power Module Weight (kg)	22.72
UPS Power Module Weight (lbs.)	50.1
Unit Weight (lbs.)	50.100
Unit Weight (kg)	22.72
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	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	189

AC Mode Efficiency Rating (100% Load)	98%
Audible Noise	50.3 dBA maximum, front side 1m
COMMUNICATIONS	
Network Management Cards	WEBCARDLXE ; RELAYIOCARD
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	Available via free download from https://tripplite.eaton.com/products/power-alert
Communications Cable	USB, DB9 and EPO cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network UPS Tools (NUT) Compatibility	NUT compatible. See a full list of NUT compatible Tripp Lite UPS systems at https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite
Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)
LINE / BATTERY TRANSFER	
Transfer Time	5 milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode)
Low Voltage Transfer to Battery Power (Setpoint)	83
High Voltage Transfer to Battery Power (Setpoint)	145
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); 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); UL 1778
Product Compliance	RoHS; FCC Part 15 Class A (USA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	5-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

© 2024 Eaton. All Rights Reserved.
Eaton is a registered trademark. All other trademarks
are the property of their respective owners.