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EATON SMART3000RM2ULN WEBCARDLXE Network Interface, 2U Rack/Tower

Specifications

- Model Number: SMART3000RM2ULN
- Capacity: 3000VA / 2250W
- Input Voltage: 120V

- Topology: Line-Interactive Sine Wave
- Outlets: 9 (1 x NEMA L5-30R, 8 x NEMA 5-15/20R)
- Surge Protection: 570 joules
- Battery Type: LiFePO4
- Efficiency: 98% line-mode efficiency

Battery Backup and Power Output:

The SMART3000RM2ULN provides battery backup and pure sinewave power output for servers, switches, and high-end IT equipment.   maintainsa regulated 120V output during voltage fluctuationsfrom 83VV to 145V.

Outlet Protection:

There are 9 outlets, with surge protection of 570 joules. Two outlets can be controlled remotely through the network interface, allowing you to reset or reboot equipment.

EMI/RFI Filtering:

The UPS filters out electromagnetic and radio frequency interference to protect connected equipment from damage and improve performance.

Front-Panel Interface:

The front panel displays UPS status, power data, voltage levels, and alarm functions. It rotates for rack-mount and tower configurations.

Communication Ports:

RS-232 and USB ports enable communication with devices for automatic saves and shutdowns. The EPO port allows emergency shutdown of connected equipment.

Installation Options:

The UPS can be mounted in a rack using the included hardware. Additional mounting kits are available for different installation options.

SmartPro 3000VA 2250W 120V Line-Interactive Sine Wave UPS – 9 Outlets, Preinstalled WEBCARDLXE Network Interface, 2U Rack/Tower

- MODEL NUMBER: SMART3000RM2ULN

Highlights

- Lithium UPS provides 3kVA capacity power protection for critical network components.
- LiFePO4 battery backup lasts longer and weighs less than an equivalent lead-acid battery.
- Pure sine wave output ensures maximum stability and compatibility with equipment.
- Automatic voltage regulation corrects abnormal voltage conditions without using the battery. ry
- Preinstalled WEBCARDLXE allows full remote control of UPS and access to advanced features

Package Includes

- 3000VA 2250W 120V Line-Interactive UPS
- WEBCARDLXE network interface
- USB cable
- DB9 cable
- EPO cable
- Rack-mounting hardware
- Owner's manual

Provides complete battery backup and pure sine wave power output for servers, switches, and other high-end distributed IT equipment.

Features

- 3kVA/2.25kW/120V Battery Backup for Data Centers and Server Rooms
- This SmartPro® line-interactive UPS system provides reliable battery backup and AC power protection against blackouts, brownouts, surges, and line noise that can damage your valuable IT equipment. The SMART3000RM2ULN is ideal for delivering regulated sine wave output to large and small network devices, high-end workstations, storage, and security equipment in labs, server rooms, and data centers.
- Reliable LiFePO4 Battery Backup Offers Longer Life and Less Weight than Lead Acid Batteries.y This lithium battery 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% capacity in less than three hours, making the lithium UPS system an ideal backup in case of a power outage. The LiFePO4 battery has 60% the weight of an equivalent lead acid battery, which reduces the overall UPS weight.
- Automatic Voltage Regulation (AVR) Corrects Low- and High-Voltage Conditions Built-in AVR corrects abnormal voltage conditions without using the battery. The SMART3000RM2ULN maintains a regulated 120V nominal output during brownouts and overvoltages from 83V to 145V while keeping the battery fully charged and ready to take over in case of power failure.
- Preinstalled WEBCARDLXE Network Interface Allows Remote Control and Access 24/7
- The WEBCARDLXE with PowerAlert Device Manager software enables full remote configuration and management, including load shedding, reboots of connected equipment, and safe shutdowns. The IP-based Auto Probe feature ensures continuous network uptime by communicating with other network devices when a loss of connectivity is detected. Optional
- EnviroSense2 modules (sold separately) provide a variety of environmental monitoring and control options.

9 Outlets Protect Your Connected Components

- One NEMA L5-30R and eight NEMA 5-15/20R outlets are protected by 570 joules of

surge protection to fight off damaging power surges and spikes. Two outlets are split into single-outlet load banks that are switchable via a network interface. These outlets let you 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.

- Premium Protection from EMI/RFI Line Noise Helps Your Equipment Perform Better
- The SMART3000RM2ULN filters out disruptive electromagnetic and radio frequency interference that can inflict hardware damage or data loss. This EMI/RFI filtering also helps your connected components perform better and last longer.
- High Efficiency Helps the Environment and Your Cash Flow
- Operating with a high 98% line-mode efficiency, the SMART3000RM2ULN can save BTU heat output and energy costs.
- Intuitive Front-Panel Interface for Convenient UPS Operation and Monitoring
- The front-panel LCD information and 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 faul,t, and remote shutdown conditions. The LCD rotates to accommodate both rack-mount and tower configurations.
- Advanced Communications Ports Allow for Automatic Saves and Shutdowns
- RS-232 and USB ports connect to a device for a variety of communication options (cables are included). The EPO (Emergency Power Off) port permits emergency shutdown of connected equipment.
- Versatile Installation Options
- Hardware is included for mounting the SMART3000RM2ULN in 2U of space in an EIA-standard 19-inch 4-post rack. Use the 2POSTRMKITWM (sold separately) for 2-post rack mounting or wall mounting, or the UPSHDEARKIT (sold separately) for 2-post front-mount installation. Use the 2-9USTAND (sold separately) for mounting in an upright tower position. A 10-foot (3.1-meter) power cord with NEMA L5-30P plug connects the SMART3000RM2ULN to a compatible AC power source.

Specifications

OVERVIEW

UPC Code	037332297655
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
Maximum Input Amps	24

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 (Watts)	1920
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 the alarm-cancel switch; a silent mode alarm configuration option is available.

Audible Alarm	Audible alarm indicates UPS startup, power failure, low battery, overload, UPS fault, and remote shutdown condition.s

SURGE / NOISE SUPPRESSION

EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	570
AC Suppression Response Time	Instantaneous

PHYSICAL

Primary Form Factor	Rackmount
Rack Height	2U
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 (2 POSTRMKITWM); 2-4 post front rail rackmount (UPSHD EARKIT); 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 Weight (kg)	35.83
UPS Housing Material	Steel

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 Dimensions (hwd / in.)	3.430 x 17.320 x 19.460
Unit Weight (lbs.)	50.100
Unit Weight (kg)	22.72
Mounting Details	Included 4POSTRAILKIT mounting bracket enables installation in 4-post racks from 20.5 to 36 inches (521 to 914mm)

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
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	The network management card is 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 (included); 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

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FAQS

How do I reset or reboot connected equipment using the switchable outlets?

You can remotely control the switchable outlets through the network interface to power on or off connected equipment.

What is the advantage of LiFePO4 battery backup over lead-acid batteries?

LiFePO4 batteries last longer, weigh less, and provide reliable backup power compared to lead-acid batteries.

Documents / Resources

	[EATON SMART3000RM2ULN WEBCARDLXE Network Interface, 2U Rack/Tower](#) [[pdf](#)] Owner's Manual SMART3000RM2ULN WEBCARDLXE Network Interface 2U Rack Tower, SMART3000RM2ULN, WEBCARDLXE Network Interface 2U Rack Tower, Network Interface 2U Rack Tower, Network Interface 2U Rack Tower, Interface 2U Rack Tower, 2U Rack Tower, Rack Tower, Tower

References

- [User Manual](#)

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