Important Note

This is the refreshed model, available with Internal Battery only. If you need a comparable UPS with External Battery Module capability, please see SMART3000RMXL2U

SmartPro 3000VA 3000W 120V Line-Interactive Sine Wave UPS - 7 Outlets, Network Card Option, LCD, USB, DB9, 2U Rack/Tower

MODEL NUMBER: **SMART3000RM2U**



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

Highlights

- Protects equipment against blackouts, brownouts, transient surges and line noise
- Keeps equipment running during outages to allow time for file saves and safe shutdown
- Unity power factor ensures maximum power possible at each power rating
- For remote monitor and control, the WEBCARDLXE is required (sold separately). Not compatible with WEBCARDLX.
- 2-line front-panel LCD with 10 selectable screens reports detailed UPS and site power info

Package Includes

- 3000VA 3000W 120V Line-Interactive UPS
- USB cable
- DB9 cable
- Rack-mounting hardware
- Tower support stands
- Safety instructions
- Advanced User Guide

Features

3kVA/3kW/120V Battery Backup for Distributed IT, Telecom or Enterprise Deployments
This rack-mount line-interactive UPS system provides reliable battery backup and AC power protection against blackouts, brownouts, surges and line noise that can damage your IT equipment or destroy data. The SMART3000RM2U is ideal power management for high-end in-rack networking equipment, including servers, VoIP phones, data storage and PoE switches. Unity power factor ensures the most watts possible at each power rating, so you can connect more equipment.

Reliable Battery Backup Keeps You Operational Through Power Outages
The field-replaceable, hot-swappable VRLA battery modules allow you to work through short power failures and give you enough time to safely save files and shut down your system in case of a prolonged blackout. Switchover from line to battery power happens within milliseconds to maintain continuous operation of connected equipment without interruption or rebooting.

Optional LX Platform Network Management Card Allows Remote Access 24/7
The WEBCARDLXE network interface (sold separately) 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, detecting lost connectivity and automatically rebooting IT equipment. Optional EnviroSense2 modules (E2MT, E2MTDO and E2MTHDI, all sold separately) provide a variety of environmental monitoring and control options.

NEMA Outlets Protect Your Connected Components
One L5-30R and six 5-20R managed outlets provide connected equipment with pure sine wave AC output and allow you to monitor power consumption down to the outlet group level. Power provided by these outlets is filtered to protect connected equipment against damaging surges and line noise. Four 5-20R outlets are split into two independently switchable load banks that let you shed non-critical loads to extend runtime for critical loads. Front and rear cooling fans help protect equipment from overheating.

Automatic Voltage Regulation (AVR) Corrects Low- and High-Voltage Conditions
AVR protects your equipment from incremental hardware damage, data loss and performance problems caused by brownouts. The SMART3000RM2U maintains regulated 120V nominal output during brownouts and overvoltages from 80V to 151V while keeping the battery fully charged and ready to take over in case of power failure.

Premium Protection from EMI/RFI Line Noise Helps Your Equipment Perform Better
This UPS system 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.

Intuitive Front-Panel Interface for Convenient UPS Operation and Monitoring
The two-line front-panel LCD monitoring screen features 10 selectable screens that allow quick access to a wide range of detailed UPS and site power information. LEDs show UPS status: a green light means utility power is on, an orange light means the UPS is in battery mode and a red light indicates an active alarm or fault. The interface 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). A dry-contact relay port can be programmed through the LCD to provide reliable communications to automation and industrial components. The RPO/ROO port permits emergency shutdown or remote restart of all connected equipment.

Versatile Installation Options
You can mount the SMART3000RM2U in just 2U of space in an EIA-standard 19-inch rack using the included hardware. You can also adapt it for tower installation using the included support stands. The 10-foot power cord with NEMA L5-30P plug connects to a compatible AC outlet.

Specifications

OVERVIEW	
UPC Code	037332096685
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	24A (120V)
Nominal Input Voltage(s) Supported	120V AC
Nominal Input Voltage Description	80V-151V; adjustable to 70-153V
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)	3000
Output Capacity (kW)	3
Power Factor	1
Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	50 / 60 Hz
Output Voltage Regulation (Line Mode)	120V (-13%, +15%)
Output Voltage Regulation (Battery Mode)	-10%, +6%
Load Management Receptacles	Two switchable two-outlet load banks
Output Circuit Breakers	Three 20A output breakers protect 2x 5-20R outlets each
Output AC Waveform (AC Mode)	Pure Sine wave
Output (Watts)	3000
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	100V; 110V; 120V; 125V
Output Receptacles	(6) 5-20R; (1) L5-30R
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	3 min. (3000W)
Runtime Half Load (min.)	9 min. (1500W)
Expandable Runtime	No
DC System Voltage (VDC)	72
Battery Recharge Rate (Included Batteries)	Less than 5 hours from 10 to 90% (typical, full load discharge)
Battery Access	Front panel battery access door
Internal UPS Replacement Battery Cartridge	Pre-May 2023: RBC94-2U Post-May 2023: 744-A3122
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 81 to 150V (Normal mode) adjustable to 70-153V (Extended mode)
Overvoltage Correction	Reduces incoming voltage between 132-151V by 13% (Normal Mode); 138-152V (Extended mode)
Undervoltage Correction	Boost incoming voltages between 81-102V by 15% (Normal Mode); 71-92V by 15% (Extended Mode)
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	5 pushbutton switches control OFF / ON power status, ENTER, UP, and DOWN selection and ESC control functions
Alarm Cancel Operation	Press the ESC (Escape) button on the front panel display to silence the alarm. Check the alarm condition and perform the applicable action to resolve the condition. If the alarm status changes, the alarm beeps again, overriding the previous alarm silencing
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
LED Indicators	UPS Mode On (Solid Green); Battery Mode (Solid Orange)/ Battery Below Warning Level (Flashing Orange); Fault/Alarm (Solid Red).
SURGE / NOISE SUPPRESSION	
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	380
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Rackmount; Tower
Rack Height	2U
Cooling Method	Fan
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount; Tower
Installation Form Factors Supported with Optional Accessories	4 post rackmount short-depth (4POSTRAILKITWM)
Minimum Required Rack Depth (cm)	68.58
Minimum Required Rack Depth (inches)	27
Optional Mounting Accessory Notes	Optional 4POSTRAILKITWM enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm)
Primary UPS Depth (mm)	602
Primary UPS Height (mm)	86
Primary UPS Width (mm)	437
Shipping Dimensions (hwd / in.)	9.44 x 22.83 x 30.86
Shipping Dimensions (hwd / cm)	24.00 x 58.00 x 78.40
Shipping Weight (lbs.)	87.74
Shipping Weight (kg)	39.80
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	8.64 x 43.69 x 60.20
UPS Power Module Dimensions (hwd, in.)	3.4 x 17.2 x 23.7
UPS Power Module Weight (kg)	33.79

UPS Power Module Weight (lbs.)	74.5
Unit Dimensions (hwd / in.)	3.400 x 17.200 x 23.700
Unit Weight (lbs.)	74.5
Unit Weight (kg)	33.79
Mounting Details	Rack-mounting hardware Tower support stands
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	20 to 90%, non-condensing
AC Mode BTU / Hr. (Full Load)	173
AC Mode Efficiency Rating (100% Load)	0.98
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	944
Operating Elevation	0-10000 ft. (0-3000 m)
Storage Elevation (ft.)	0-32,808
Audible Noise	50 dBA maximum, front side 1m
Storage Elevation (m)	0-10,000
COMMUNICATIONS	
Network Management Cards	WEBCARDLXE
Network Monitoring Port Description	Network Card Optional. Not compatible with WEBCARDLX.
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Office software at https://tripplite.eaton.com/poweralert
Communications Cable	USB and DB9 cabling included
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	Contact closure; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)
LINE / BATTERY TRANSFER	
Transfer Time	1-4ms for normal mode
Low Voltage Transfer to Battery Power (Setpoint)	80
High Voltage Transfer to Battery Power (Setpoint)	151
FEATURES & SPECIFICATIONS	

Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Sine wave output; Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
Grounding Details	Rear panel grounding lug
APPLICATIONS	
UPS Applications	High-End Desktop/Small Network; Large Network
STANDARDS & COMPLIANCE	
Product Certifications	CAN/CSA-C22.2 No. 107.3 (Canada); ICES (Canada); NOM (Mexico); UL 1778
Product Compliance	ENERGY STAR Qualified; FCC Part 15 Class A (USA); RoHS
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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