SmartPro 120V 1.5kVA 1kW Line-Interactive Sine Wave UPS, 2U Rack/Tower, LCD, USB, DB9, 8 Outlets

MODEL NUMBER: **SMC15002URM**







Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Pure sine wave output is compatible with active PFC power supplies.

Highlights

- Corrects under- and overvoltages from 83V to 147V
- 8 NEMA 5-15R outlets
- Monitoring of power conditions via POWERALERT12
- Interactive LCD monitoring screen
- 17.7 min. runtime at half load; 6.5 min. at full load

Package Includes

- SMC15002URM SmartPro 120V 1.5kVA 1kW Line-Interactive Sine Wave UPS
- USB cable
- UPSHDEARKIT mounting hardware
- Owner’s manual

Description

The SMC15002URM SmartPro® 120V 1.5kVA 1kW Line-Interactive Sine Wave UPS provides battery backup and AC power protection against blackouts, brownouts, power surges and line noise that can damage electronics or destroy data. Ideal for backing up high-performance workstations, servers and network equipment, the SMC15002URM switches to battery mode in milliseconds to keep your connected equipment running long enough to save files and shut down safely with no data loss. Pure sine wave output is compatible with active power factor correction (PFC) power supplies.
Featuring eight NEMA 5-15R outlets and a 10 foot (3.1-meter) power cord with 120V NEMA 5-15P input, the SMC15002URM has an internal battery that provides 17.7 minutes of support at half load and 6.5 minutes at full load. A front-panel LCD screen lets you configure settings and monitor operating data, such as load level, voltage, battery charge and estimated runtimes.
Automatic voltage regulation (AVR) maintains 120V nominal output over an input range of 83V to 147V without using battery power. EMI/RFI noise filtering improves your equipment's performance and prevents damage. A 570-joule surge suppression rating protects your equipment from harmful power surges. With free downloadable PowerAlert® software, SMC15002URM enables safe unattended system shutdown and file saves in case of a prolonged power failure.

Features

Protects Mission-Critical Electronic Equipment

- Provides fully regulated pure sine wave AC output compatible with active PFC power supplies
- Audible alarm signals loss of utility power, overload and low battery
- 8 NEMA 5-15R outlets
- 10-ft. (3.05 m) power cord with 120V NEMA 5-15P input
- 570-joule surge suppression rating

Reliable Battery Backup

- Supports half load up to 17.7 min. and full load up to 6.5 min.
- Internal batteries designed for hot-swap field replacement
- 94% line-power efficiency rating saves money in energy costs

Automatic Voltage Regulation (AVR)
- Maintains 120V nominal output over input range of 83V-147V without using battery power

EMI/RFI Line Noise Filtering
- Removes electromagnetic and radio frequency interference that can disrupt or damage equipment's performance

Interactive LCD Screen
- Front-panel LCD signals operating mode, load level, voltage, battery charge and estimated runtimes
- Supports multiple advanced user setup and operating preferences
- Rotates for easy viewing in rack-mount or tower configurations

Communications Ports
- USB & Serial ports enable data-saving unattended shutdown when used with PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert
- EPO port supports emergency shutdown in large facilities

Versatile Installation Options
- UPSHDEARKIT 2- and 4-post hardware included for front-vertical-rail mounting in 2U of EIA-standard 19 in. rack
- Mounts on wall with optional 2POSTRMKITWM
- Mounts in upright tower position with optional 2-9USTAND
- Mounts with extra front-to-rear support in 4-post racks with optional 4POSTRAILKIT

Specifications

OVERVIEW	
UPC Code	037332186249
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	12A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
Input Circuit Breakers	15A
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	15A 120V
Maximum Input Amps	12

OUTPUT	
Output Capacity (VA)	1500
Output Capacity (kVA)	1.5
Output Capacity (Watts)	1000
Output Capacity (kW)	1
Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-21%, +8%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	110V; 115V; 120V
Output Receptacles	(8) 5-15R
Individually Controllable Load Banks	No
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	6.5 min. (1000W)
Runtime Half Load (min.)	17.7 min. (500W)
Expandable Runtime	No
DC System Voltage (VDC)	36
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90% (typical, full load discharge)
Battery Access	Front panel battery access door
Internal UPS Replacement Battery Cartridge	RBC93-2U
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 83 to 147
Overvoltage Correction	Input voltages between 128 and 147 are reduced by 12%
Undervoltage Correction	Input voltages between 83 and 107 are boosted by 14%
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	
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	2 post 19 inch rackmount; 2 post front mount; 4 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	4 post rackmount full-depth (4POSTRAILKIT); Tower (2-9USTAND); Wallmount (2POSTRMKITWM)
Minimum Required Rack Depth (cm)	43.18
Minimum Required Rack Depth (inches)	17
Optional Mounting Accessory Notes	Optional 2-9USTAND enables upright tower UPS placement; 4POSTRAILKIT enables installation in 4-post standard depth racks from 20.5 to 36 inches (521 to 914mm); 4POSTRAILKITWM enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm)
Primary UPS Depth (mm)	342
Primary UPS Height (mm)	88
Primary UPS Width (mm)	439
Shipping Dimensions (hwd / in.)	8.70 x 20.00 x 23.40
Shipping Dimensions (hwd / cm)	22.10 x 50.80 x 59.44
Shipping Weight (lbs.)	52.80
Shipping Weight (kg)	23.95
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	8.76 x 43.94 x 34.16
UPS Power Module Dimensions (hwd, in.)	3.45 x 17.3 x 13.45
UPS Power Module Weight (kg)	21.09

UPS Power Module Weight (lbs.)	46.5
Unit Weight (lbs.)	46.5000
Unit Weight (kg)	21.09
Mounting Details	Includes UPSHDEARKIT for 2 point front-mount and 2 point center-mount rackmount installation in 2 and 4 post racks, plus wallmount installation; For additional stability in 4 post racks, consider optional 4 post mounting accessories 4POSTRAILKIT and 4POSTRAILKITWM
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)	223
AC Mode Efficiency Rating (100% Load)	94%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	650
Operating Elevation	0-10000 ft. (0-3000 m)
Audible Noise	45 dBA maximum, front side 1m
COMMUNICATIONS	
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 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 not supported
Communications Interface	DB9 Serial; EPO (emergency power off); USB (HID enabled)
LINE / BATTERY TRANSFER	
Transfer Time	5 milliseconds (AC to battery), 1 milliseconds (Battery to AC)
Low Voltage Transfer to Battery Power (Setpoint)	83
High Voltage Transfer to Battery Power (Setpoint)	147
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; Surge/noise protection
Grounding Details	Back panel grounding lug

APPLICATIONS	
UPS Applications	Audio/Video; Large Network; High-End Desktop/Small Network; Retail/Point of Sale; Hospitality
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); UL 1778
Product Compliance	RoHS; FCC Part 15 Class A (USA)
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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