# SmartPro 120V 1kVA 700W Line-Interactive Sine Wave UPS, 2U Rack/Tower, LCD, USB, DB9, 6 Outlets

MODEL NUMBER: **SMC10002URM**







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
- 6 NEMA 5-15R outlets
- Monitoring of power conditions via POWERALERT12
- Interactive LCD monitoring screen
- 15.6 min. runtime at half load; 6.4 min. at full load

## Package Includes

- SMC10002URM SmartPro® 120V 1kVA 700W Line-Interactive Sine Wave UPS
- USB cable
- UPSHDEARKIT mounting hardware
- Owner’s manual

## Description

The SMC10002URM SmartPro® 120V 1kVA 700W 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 SMC10002URM 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 six NEMA 5-15R outlets and a 10-foot (3.1-meter) power cord with 120V NEMA 5-15P input, the SMC10002URM has an internal battery that provides 15.6 minutes of support at half load and 6.4 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, the SMC10002URM 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
- 6 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 15.6 min. and full load up to 6.4 min.
- Internal batteries designed for hot-swap field replacement
- 95% 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

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| **OVERVIEW** | |
| UPC Code | 037332186232 |
| UPS Type | Line-Interactive |
| **INPUT** | |
| Input Phase | Single-Phase |
| Rated input current (Maximum Load) | 9.2A |
| Nominal Input Voltage(s) Supported | 120V AC |
| UPS Input Connection Type | 5-15P |
| Input Circuit Breakers | 10A |
| UPS Input Cord Length (ft.) | 10 |
| UPS Input Cord Length (m) | 3.1 |
| Recommended Electrical Service | 15A 120V |
| **OUTPUT** | |

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| Output Capacity (VA) | 1000 |
| Output Capacity (kVA) | 1 |
| Output Capacity (Watts) | 700 |
| Output Capacity (kW) | 0.7 |
| Power Factor | 0.7 |
| 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 | (6) 5-15R |
| Individually Controllable Load Banks | No |
| **BATTERY** | |
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Runtime Full Load (min.) | 6.4 min. (700W) |
| Runtime Half Load (min.) | 15.6 min. (350W) |
| Expandable Runtime | No |
| DC System Voltage (VDC) | 24 |
| 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 |  <a class="productLink" href="//tripplite.eaton.com/2U-UPS-Replacement-Battery-Cartridge-for-Select-Tripp-Lite-UPS~RBC24V-LCD">RBC24V-LCD</a>  |
| 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) |

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| 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 | 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 |
| 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 ( <a class="productLink" href="//tripplite.eaton.com/4-Post-Rack-Mount-Installation-Kit-select-Rack-Mount-UPS-Systems~4POSTRAILKIT">4POSTRAILKIT</a> ); 4 post rackmount short-depth ( <a class="productLink" href="//tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks~4POSTRAILKITWM">4POSTRAILKITWM</a> ); Tower ( <a class="productLink" href="//tripplite.eaton.com/2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND">2-9USTAND</a> ) |
| Minimum Required Rack Depth (cm) | 40.64 |
| Minimum Required Rack Depth (inches) | 16 |
| Optional Mounting Accessory Notes | Optional  <a class="productLink" href="//tripplite.eaton.com/2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND">2-9USTAND</a>  enables upright tower UPS placement;  <a class="productLink" href="//tripplite.eaton.com/4-Post-Rack-Mount-Installation-Kit-select-Rack-Mount-UPS-Systems~4POSTRAILKIT">4POSTRAILKIT</a>  enables installation in 4-post standard depth racks from 20.5 to 36 inches (521 to 914mm);  <a class="productLink" href="//tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks~4POSTRAILKITWM">4POSTRAILKITWM</a>  enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm) |
| Primary UPS Depth (mm) | 318 |
| Primary UPS Height (mm) | 88 |
| Primary UPS Width (mm) | 441 |
| Shipping Dimensions (hwd / in.) | 8.70 x 18.50 x 22.70 |
| Shipping Dimensions (hwd / cm) | 22.10 x 46.99 x 57.66 |
| Shipping Weight (lbs.) | 40.00 |
| Shipping Weight (kg) | 18.14 |
| UPS Housing Material | Steel |
| UPS Power Module Dimensions (hwd, cm) | 8.76 x 44.07 x 31.75 |

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| UPS Power Module Dimensions (hwd, in.) | 3.45 x 17.35 x 12.5 |
| UPS Power Module Weight (kg) | 16.06 |
| UPS Power Module Weight (lbs.) | 35.4 |
| Unit Weight (lbs.) | 35.4000 |
| Unit Weight (kg) | 16.06 |
| **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) | 122 |
| AC Mode Efficiency Rating (100% Load) | 95% |
| Battery Mode Heat Dissipation (BTU/Hr) @ Full Load | 455 |
| 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 | 4 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 |

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| 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 B (USA) |
| **WARRANTY & SUPPORT** | |
| Product Warranty Period (Worldwide) | 2-year warranty, 3 year with registration. Note: <a class="insuranceLink" href="//tripplite.eaton.com/support/product-warranty-registration">Registration is required</a> for 3-year warranty. |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | $250,000 <a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>  |

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