

## 1500VA 1050W 120V Line-Interactive Pure Sine Wave Cloud-Connected UPS with Remote Monitoring - 10 NEMA 5-15R Outlets (Surge and Battery Backup), LCD, 5-15P Plug, Tower

MODEL NUMBER: SMART1500PSRTNC



Line-interactive pure sine wave UPS with included remote monitoring software provides 24/7 access and control of any size deployment via mobile app or web browser.

### Features

#### 1.5kVA/1.05kW/120V Pure Sine Wave Battery Backup for Sensitive Devices

The SMART1500PSRTNC line-interactive cloud-connected UPS system combines cloud connectivity, remote management and advanced protection features. Its slim tower design is suitable for desktop or floor placement or installed in a rack (with optional mounting kit, sold separately). It's recommended for home, office and retail use, as well as network closets in both local and remote locations.

#### Easy-to-Use Cloud-Enabled Remote Monitoring Powered by Brightlayer

Eaton's cloud-based remote monitoring app offers convenient setup, control and management of a single UPS or a larger deployment. Scan the QR code on the UPS to download the app to your mobile device. Receive alerts, push configurations, silence alarms or control load banks using a mobile app or web browser. Being able to monitor and access multiple UPS systems from a remote location helps reduce the number of site visits, saving you time and money. The unit's NFC (near-field communication) feature lets you configure network settings instantly from your mobile device.

#### Allows Time to Back Up Critical Files During a Blackout

During short blackouts, the SMART1500PSRTNC switches to battery power to keep connected equipment running. This allows you enough time to save data and complete a safe shutdown in case of a longer outage. Once AC power is restored, the SMART1500PSRTNC restarts automatically, regardless of battery charge level, saving you a costly site visit.

#### NEMA 5-15R Outlets and Controllable Load Banks Protect Connected Components

Ten 5-15R outlets provide battery backup and surge protection for your security camera, router, network switch, server and other sensitive electronic devices. Remote monitoring allows individual control of three switchable load banks that can be powered on/off or cycled remotely, saving you an expensive and time-consuming on-site visit.

#### 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 and overvoltages. The SMART1500PSRTNC can correct brownouts as low as 97V and overvoltages as high as 145V back to nominal 120V power continuously, all while keeping the battery fully charged and ready to take over in case of power failure.

### Highlights

- Delivers pure sine wave power to ensure reliable protection for sensitive electronics
- Cloud-connected dashboard allows 24/7 remote monitoring via browser or mobile app
- Create your account with two-factor authentication for an additional layer of security
- Quick setup in minutes via mobile app gets your connected devices protected right away
- NFC technology allows easy configuration of network settings from your mobile device
- Switchable load banks let you control or reboot devices using the mobile app

### Package Includes

- SMART1500PSRTNC 1500VA 1050W 120V Line-Interactive Pure Sine Wave Cloud-Connected UPS
- Quick Start Guide



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**Seamless Connectivity for Advanced Remote Monitoring and Configuration**

An RJ45 port for Ethernet connectivity enables use of the cloud-based remote monitoring application. A USB-C port provides direct connection to the command line interface (CLI) for configuration and identification of local network parameters.

**Intuitive LCD, Home-Friendly Alarm and Diagnostic LEDs Keep You Informed 24/7**

The easy-to-read LCD and two status LEDs allow at-a-glance local monitoring of UPS status, voltage, load level, battery level and other vital information. A solid green LED means the battery is charged, a flashing green indicates it is charging and a solid red indicates fault. The audible alarm indicates power outage, low-battery and fault conditions. It can be silenced via the LCD or the remote monitoring app, which will still respond to silenced alarms.

**Optional Mounting Kit Allows Rack Installation**

With the optional RKTRYPSC rack-mounting kit (sold separately), you can install the SMART1500PSRTNC in 2U of space in a 2-post or 4-post rack.

**Easy Preventative Maintenance and Initial Troubleshooting**

The SMART1500PSRTNC's self-test capability and user-replaceable internal battery can extend the life of the UPS and minimize disruption to operations. A resettable circuit breaker on the rear of the UPS helps prevent dangerous system overloads.

## Specifications

| OVERVIEW                           |                      |
|------------------------------------|----------------------|
| UPC Code                           | 037332283771         |
| UPS Type                           | Line-Interactive     |
| INPUT                              |                      |
| Input Phase                        | Single-Phase         |
| Rated input current (Maximum Load) | 13A                  |
| Nominal Input Voltage(s) Supported | 120V AC              |
| UPS Input Connection Type          | 5-15P                |
| Input Circuit Breakers             | 15A                  |
| UPS Input Cord Length (ft.)        | 5                    |
| UPS Input Cord Length (m)          | 1.5                  |
| Recommended Electrical Service     | 15A 120V             |
| Input Connection Type              | NEMA 5-15P           |
| Input Frequency                    | 50/60Hz Auto-sensing |
| Input Plug Type                    | NEMA 5-15P           |
| Input Cord Length (ft.)            | 5                    |
| Input Cord Length (m)              | 1.52                 |
| OUTPUT                             |                      |
| Output Capacity (VA)               | 1500                 |
| Output Capacity (kVA)              | 1.5                  |



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|--|---|
| Output Capacity (Watts)                      | 1050  |
| Output Capacity (kW)                         | 1.05  |
| Power Factor                                 | 0.7   |
| Nominal Voltage Details                      | 120V  |
| Frequency Compatibility                      | 50 / 60 Hz  |
| Output Voltage Regulation (Line Mode)        | 120V (±10%)   |
| Output Voltage Regulation (Battery Mode)     | 120V (±10%)   |
| Load Management Receptacles                  | 3 Load Banks:<br>Load Bank 1: 2 outlets<br>Load Bank 2: 2 outlets<br>Load Bank 3: 4 outlets   |
| Output AC Waveform (AC Mode)                 | Sine wave   |
| Output (Watts)                               | 1050  |
| Output AC Waveform (Battery Mode)            | Pure Sine wave  |
| Nominal Output Voltage(s) Supported          | 110V; 115V; 120V  |
| Output Receptacles                           | (10) 5-15R  |
| Overload Protection                          | (Line Mode) 110%+15%/-5%,go to fault after 5min, 120%+15%/-5%,go to fault immediately (Battery Mode) 110%+15%/-5%,Shutdown in 10 seconds, 120%+15%/-5%,Shutdown immediately |
| Customized Load Management Receptacles       | 3 BANKS: Load Bank 1: 2 outlets Load Bank 2: 2 outlets Load Bank 3: 4 outlets   |
| Individually Controllable Load Banks         | Yes   |
| <b>BATTERY</b>                               |   |
| Battery Type                                 | Valve Regulated Lead Acid (VRLA)  |
| Runtime Full Load (min.)                     | 2.5 min. (1050W)  |
| Runtime Half Load (min.)                     | 8 min. (525W)   |
| Expandable Runtime                           | No  |
| DC System Voltage (VDC)                      | 24  |
| Battery Recharge Rate (Included Batteries)   | Less than 8 hours from 10% to 90%   |
| Battery Access                               | Battery Access Door   |
| <b>VOLTAGE REGULATION</b>                    |   |
| Voltage Regulation Description               | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 97V to 145V  |
| Overvoltage Correction                       | Input voltages between 132 and 145 are reduced by 10%   |
| Undervoltage Correction                      | Input voltages between 97 and 108 are boosted by 11.5%  |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |   |
| Diagnostic LED(s)                            | Yes   |



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| Front Panel LCD Display                | Backlighted LCD screen offers detailed UPS status information, configuration options and Error message reporting; STATUS INFORMATION includes Input Voltage, Output Voltage, Estimated Runtime (minutes), Output Load Percentage, Output Load Wattage, Battery Charge Percentage, Graphical 5-Bar Backlighted LCD screen offers detailed UPS status and operational information including Input Voltage, Output Voltage, Estimated Runtime (minutes), Output Load Percentage, Output Load Wattage, Battery Voltage, Graphical 4-Bar Battery Charge level and 4 bar load Level. LCD screen also shows UPS status AC Powered or battery operation, Alarm muted (icon flashing) & Alarm disabled (icon steady on). |
| Switches                               | ON/OFF/MODE button provides UPS on/off power control (long-press); MUTE/ENTER allows alarm to be muted (long press), and advances the LCD screen display (short tap)  |
| Alarm Cancel Operation                 | Press the MUTE/ENTER button during a power failure to silence the alarm; Once silenced, alarm will re-sound to indicate low-battery status  |
| Audible Alarm                          | Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions   |
| LED Indicators                         | Green and Red LEDs. Solid green shows AC operation, flashing green shows AC operation and battery charging. Red LED indicates a UPS fault.  |
| <b>SURGE / NOISE SUPPRESSION</b>       |   |
| UPS AC Suppression Joule Rating        | 158   |
| UPS AC Suppression Response Time       | Instantaneous   |
| EMI / RFI AC Noise Suppression         | Yes   |
| <b>PHYSICAL</b>                        |   |
| Primary Form Factor                    | Tower   |
| Rack Height                            | 2U  |
| Cooling Method                         | Fan   |
| Minimum Required Rack Depth (cm)       | 45.72   |
| Minimum Required Rack Depth (inches)   | 18  |
| Optional Mounting Accessory Notes      | Can be mounted to 2 and 4 post racks via optional rackmount shelf kit.  |
| Primary UPS Depth (mm)                 | 391   |
| Primary UPS Height (mm)                | 315   |
| Primary UPS Width (mm)                 | 86  |
| Shipping Dimensions (hwd / in.)        | 18.80 x 6.60 x 16.80  |
| Shipping Weight (kg)                   | 13.15   |
| UPS Housing Material                   | ABS   |
| UPS Power Module Dimensions (hwd, in.) | 12.4 x 3.4 x 15.4   |
| UPS Power Module Weight (kg)           | 12.70   |
| UPS Power Module Weight (lbs.)         | 28  |
| Unit Dimensions (hwd / in.)            | 15.400 x 3.400 x 12.400   |
| Unit Weight (lbs.)                     | 28  |
| Unit Weight (kg)                       | 12.70   |



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| 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   | Up to 95%, non-condensing  |
| AC Mode BTU / Hr. (Full Load)                               | 41   |
| AC Mode Efficiency Rating (100% Load)                       | 98%  |
| Operating Elevation   | 6562   |
| COMMUNICATIONS  |  |
| Network Monitoring Port Description                         | Supports detailed monitoring of UPS and site power conditions; DB9 provides contact-closure notification of AC Present (pins 1,9 connected) and AC Fail (pins 1,8 connected) |
| Network Management Card Description                         | 40dB at 1 meter  |
| Communications Interface                                    | Included network card; Near Field Communication (NFC); RJ45 Network; USB-C   |
| LINE / BATTERY TRANSFER                                     |  |
| Transfer Time   | 4 milliseconds (AC to battery mode); 1 millisecond (Battery to AC mode)  |
| Low Voltage Transfer to Battery Power (Setpoint)            | 97+/-3%  |
| High Voltage Transfer to Battery Power (Setpoint)           | 145+/-3%   |
| FEATURES & SPECIFICATIONS                                   |  |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported   |
| High Availability UPS Features                              | Automatic Voltage Regulation (AVR); Pure sine wave output; Remote management; Sine wave output; Surge/noise protection   |
| Green Energy-Saving Features                                | Greater than 95% efficiency - GREEN UPS; Individually controllable load banks  |
| APPLICATIONS  |  |
| UPS Applications  | Retail/Point of Sale; Hospitality; High-End Desktop/Small Network; Large Network   |
| STANDARDS & COMPLIANCE                                      |  |
| Product Certifications                                      | CSA (Canada); NOM (Mexico); UL 1778  |
| Product Compliance  | FCC Part 15 Class B (USA); RoHS  |
| WARRANTY & SUPPORT  |  |
| Product Warranty Period (U.S. & Canada)                     | 3-year limited warranty  |
| Product Warranty Period (Latin America)                     | 3-year limited warranty  |



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|--|--|
| Product Warranty Period (International)                    | 2-year limited warranty  |
| Product Warranty Period (Mexico)                           | 3-year limited warranty  |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 & <a href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a> |

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