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EATON SMART1000PSRTNC Line Interactive Pure Sine Wave Cloud Connected UPS



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

- 1000VA/750W/120V Pure Sine Wave Battery Backup for Sensitive Devices
 The SMART1000PSRTNC 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 SMART1000PSRTNC 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 SMART1000PSRTNC 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
 SMART1000PSRTNC 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

- SMART1000PSRTNC 1000VA 750W 120V Line-Interactive Pure Sine Wave Cloud-Connected UPS
- Quick Start Guide

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 SMART1000PSRTNC in 2U of space in a 2-post or 4-post rack.

Easy Preventative Maintenance and Initial Troubleshooting

The SMART1000PSRTNC'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 | 037332283757 |
| UPS Type | Line-Interactive |
| INPUT | |
| Input Phase | Single-Phase |
| Rated input current (Maximum Load) | 9A |
| Nominal Input Volta ge(s) Supported | 120V AC |
| UPS Input Connection Type | 5-15P |
| Input Circuit Breakers | 10A |
| UPS Input Cord Le | 5 |
| UPS Input Cord Le | 1.5 |
| Recommended Ele ctrical Service | 15A 120V |

| Input Connection T ype | NEMA 5-15P | | |
|--------------------------|----------------------------|--|--|
| Input Frequency | 50/60 +/- 3Hz Auto-sensing | | |
| Input Plug Type | NEMA 5-15P | | |
| Input Cord Length (ft.) | 5 | | |
| Input Cord Length (m) | 1.52 | | |
| OUTPUT | OUTPUT | | |
| Output Capacity (V A) | 1000 | | |
| Output Capacity (k | 1 | | |
| Output Capacity (W atts) | 750 | | |
| Output Capacity (k | 0.75 | | |
| Power Factor | 0.75 | | |
| Nominal Voltage D etails | 120V | | |
| Frequency Compati bility | 50 / 60 Hz | | |

| Output Voltage Reg ulation (Line Mode) | 120V (±10%) |
|--|--|
| Output Voltage Reg ulation (Battery Mo de) | 120V (±10%) |
| Load Management Receptacles | 3 Load Banks: Load Bank 1: 2 outlets Load Bank 2: 2 outlets Load Bank 1: 4 outlets |
| Output AC Wavefor m (AC Mode) | Sine wave |
| Output (Watts) | 7501 |
| Output AC Wavefor m (Battery Mode) | Pure Sine wave |
| Nominal Output Vol tage(s) Supported | 120V |
| Output Receptacles | (10) 5-15R |
| Overload Protectio | (Line Mode) 110%+15%/-5%,go to fault after 5min, 120%+15%/-5%,go to fault immediately (Battery Mode) 110%+15%/-5%,Sh utdown in 10 seconds, 120%+15%/-5%,Shutdown immediately |

| Customized Load Management Rece ptacles | 3 BANKS: Load Bank 1: 2 outlets Load Bank 2: 2 outlets Load Bank 3: 4 outlets |
|---|--|
| Individually Controll able Load Banks | Yes |
| BATTERY | |
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Runtime Full Load (min.) | 1.8 min. (750W) |
| Runtime Half Load (min.) | 10 min. (375W) |
| Expandable Runtim e | No |
| DC System Voltage (VDC) | 24 |
| Battery Recharge Rate (Included Batt eries) | Less than 8 hours from 10% to 90% |
| Battery Access | Battery Access Door |
| VOLTAGE REGULATION | |
| 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% |
|-----------------------------------|--|
| USER INTERFACE, ALERTS & CONTROLS | |
| Diagnostic LED(s) | Yes |

| Front Panel LCD Di splay | Backlighted LCD screen offers detailed UPS status and operatio nal information including Input Voltage, Output Voltage, Estimat ed Runtime (minutes), Output Load Percentage, Output Load W attage, Battery Voltage, Graphical 4-Bar Battery Charge level a nd 4 bar load Level. LCD screen also shows UPS status AC Po wered 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), a nd advances the LCD screen display (short tap) |
| Alarm Cancel Oper ation | Press the MUTE/ENTER button during a power failure to silenc e the alarm; Once silenced, alarm will re-sound to indicate low-b attery 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 slows AC operation, flashing green shows AC operation and battery charging. Red LED indic ates a UPS fault. |

SURGE / NOISE SUPPRESSION

| UPS AC Suppressi on Joule Rating | 156 |
|--------------------------------------|---|
| UPS AC Suppressi on Response Time | Instantaneous |
| EMI / RFI AC Noise Suppression | Yes |
| PHYSICAL | |
| Primary Form Fact | 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 s helf kit. |
| Primary UPS Depth (mm) | 390 |
| Primary UPS Heigh t (mm) | 315 |

| Primary UPS Width (mm) | 86 |
|---|---------------------------|
| Shipping Dimensions (hwd / in.) | 18.80 x 6.60 x 16.30 |
| Shipping Weight (kg) | 12.61 |
| UPS Housing Mate | ABS |
| UPS Power Module Dimensions (hwd, i n.) | 12.402 x 3.386 x 15.354 |
| UPS Power Module Weight (kg) | 11.79 |
| UPS Power Module Weight (lbs.) | 26 |
| Unit Dimensions (h wd / in.) | 15.400 x 3.386 x 12.400 |
| Unit Weight (lbs.) | 26 |
| Unit Weight (kg) | 11.79 |
| ENVIRONMENTAL | |
| Operating Tempera ture Range | 32° to 104°F (0° to 40°C) |
| | |

| Storage Temperatu | 5° to 122°F (-15° to 50°C) |
|-------------------|----------------------------|
| re Range | 3 to 122 i (13 to 30 0) |

| Relative Humidity | Up to 90%, non-condensing | |
|---|---|--|
| AC Mode BTU / Hr. (Full Load) | 41 | |
| AC Mode Efficiency Rating (100% Load) | 95.16% | |
| Operating Elevatio | 9842 | |
| Audible Noise | 40dB at 1 meter | |
| COMMUNICATIONS | | |
| Network Monitoring Port Description | The UPS models support Free access to Eaton's cloud-based B rightlayer® Remote Monitoring App for quick and easy setup, co ntrol and management, for one or multiple device deployment. | |
| Network Managem ent Card Descriptio n | Network management card included | |
| Communications In terface | Included network card; Near Field Communication (NFC); RJ45 Network; USB-C | |
| LINE / BATTERY TRANSFER | | |
| Transfer Time | 6ms typical, 10ms max | |
| Low Voltage Transf er to Battery Power (Setpoint) | 97V +/- 3% | |

| High Voltage Transf er to Battery Power (Setpoint) | 145V +/- 3% | | |
|--|---|--|--|
| FEATURES & SPEC | CIFICATIONS | | |
| Cold Start (Startup in Battery Mode Du ring a Power Failur e) | Cold-start operation supported | | |
| High Availability UP S Features | Automatic Voltage Regulation (AVR); Pure sine wave output; Re mote management; Sine wave output; Surge/noise protection | | |
| Green Energy-Savi | Individually controllable load banks | | |
| Cold Start | Cold-start operation supported | | |
| APPLICATIONS | | | |
| UPS Applications | Retail/Point of Sale; Hospitality; High-End Desktop/Small Network | | |
| STANDARDS & CO | STANDARDS & COMPLIANCE | | |
| Product Certificatio | CSA (Canada); NOM (Mexico); UL 1778 | | |
| Product Complianc | ENERGY STAR Qualified; FCC Part 15 Class B (USA); RoHS | | |
| WARRANTY & SUPPORT | | | |

| Product Warranty P eriod (U.S. & Cana da) | 3-year limited warranty |
|---|-------------------------|
| Product Warranty P eriod (Latin Americ a) | 3-year limited warranty |
| Product Warranty P eriod (International) | 2-year limited warranty |

| Product Warranty P eriod (Mexico) | 3-year limited warranty |
|---|--|
| Connected Equipm ent Insurance (U.S., Canada & Puerto Rico) | \$250,000 Ultimate Lifetime Insurance |

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Frequently Asked Questions

• Q: Can I control individual outlets remotely?

A: Yes, the UPS features controllable load banks that allow you to remotely power on/off or cycle connected devices using the mobile app.

Q: How does the UPS handle voltage fluctuations?

A: The Automatic Voltage Regulation (AVR) feature corrects low and high-voltage conditions, safeguarding your equipment from power irregularities.

Q: Is there a mobile app for monitoring?

A: Yes, you can monitor your UPS deployment 24/7 via a mobile app or web browser for convenient remote access and control.

Documents / Resources



EATON SMART1000PSRTNC Line Interactive Pure Sine Wave Cloud Connected UPS [pdf] User Guide

SMART1000PSRTNC, SMART1000PSRTNC Line Interactive Pure Sine Wave Cloud Connected UPS, SMART1000PSRTNC, Line Interactive Pur e Sine Wave Cloud Connected UPS, Pure Sine Wave Cloud Connected UPS, Cloud Connected UPS, UPS

References

- User Manual
- **EATON**
- ◆ Cloud Connected UPS, Connected UPS, EATON, Line Interactive Pure Sine Wave Cloud Connected UPS, Pure Sine Wave Cloud Connected UPS, SMART1000PSRTNC, SMART1000PSRTNC Line Interactive Pure Sine Wave Cloud Connected UPS, UPS

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