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.

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

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.

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

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: Load Bank 1: 2 outlets Load Bank 2: 2 outlets Load Bank 1: 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
BATTERY	
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
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 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 slows AC operation, flashing green shows AC operation and battery charging. Red LED indicates a UPS fault.
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	158
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
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

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

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 Ultimate Lifetime Insurance

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

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