850VA 450W 120V Standby Cloud-Connected UPS with Remote Monitoring - 5 NEMA 5-15R Outlets (Surge + Battery Backup), 5-15P Plug, Desktop

MODEL NUMBER: **BC850RNC**











Standby cloud-connected UPS offers remote monitoring, automated alerts and data analytics that can predict and prevent issues before they occur.

Features

850VA/450W/120V Battery Backup for PCs and Retail Point-of-Sale Applications
The BC850RNC standby cloud-connected UPS system provides reliable battery backup and AC power protection against blackouts, brownouts, overvoltages, surges and line noise for home/office computing, networking and point-of-sale equipment in retail, kiosks, food service and light industrial environments. For easy access, the input power cable, Ethernet port, AC outlets, power button and status LEDs are all on the same side.

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 outlet banks using a mobile app or web browser. Being able to monitor and access an army of 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) area lets you configure network settings instantly from your mobile device.

Allows Time to Back Up Critical Files During a Blackout
The BC850RNC restarts automatically once power is restored, regardless of battery charge level, saving you a costly site visit. During short blackouts and brownouts, the BC850RNC 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.

Premium Protection from Surges and Line Noise Helps Your Equipment Perform Better
Rated for 190 joules of surge suppression, the BC850RNC and its five NEMA 5-15R outlets protect connected devices from the harmful effects of power surges. The BC850RNC also filters out disruptive electromagnetic interference (EMI) and radio frequency interference (RFI) that can destroy data and contribute to lengthy downtime.

Easy Preventative Maintenance and Initial Troubleshooting
The BC850RNC'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 helps prevent dangerous system overloads.

Highlights

- Cloud-based dashboard allows 24/7 remote monitoring via browser or mobile app
- Cloud-connected UPS sets up in minutes to start protecting your devices.
- Create account with two-factor authentication for an additional layer of security
- NFC technology allows easy configuration of network settings from your mobile device
- Lets you control outlets or shut down devices using your PC, tablet or smartphone
- Sends you fast alert notifications and responses through email or SMS

Package Includes

- BC850RNC 120V 850VA 450W Standby UPS
- (4) M4 x 12 mm screws
- (4) M4 x 20 mm screws
- Quick Start Guide

Audible Alarm and Diagnostic LEDs Keep You Informed 24/7
An audible alarm and a red LED indicate a low battery or fault condition. A green LED indicates power and line/battery mode status. The audible alarm can be disabled via the remote monitoring app, which will still respond to silenced alarms.

Hardened Housing Compatible with Versatile Deployment Options
The flatpack housing allows use in locations with higher ambient temperatures (operating temperature range: 32° to 122°F / 0° to 50°C). The BC850RNC's small size is suitable for desktop or floor placement. Secure mounting points on the bottom enable horizontal or vertical mounting and are spaced in a 100 x 100 mm VESA pattern for mounting to the back of a monitor with the included hardware. Attachment points allow installation on a shelf or beam with user-supplied cable ties. The five-foot power cord with NEMA 5-15P plug connects to any compatible AC outlet.

Specifications

OVERVIEW	
UPC Code	037332283511
UPS Type	Standby
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	7.1A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
Input Circuit Breakers	(1) 10A
UPS Input Cord Length (ft.)	5
UPS Input Cord Length (m)	1.5
Recommended Electrical Service	15A 120V
Maximum Input Amps	7.1
Input Frequency	50/60 HZ AUTO-SENSING
Input Plug Type	NEMA 5-15P
Input Cord Length (ft.)	5
Input Cord Length (m)	1.52
OUTPUT	
Output Capacity (VA)	850
Output Capacity (kVA)	0.85
Output Capacity (Watts)	450
Output Capacity (kW)	0.45
Power Factor	0.53
Nominal Voltage Details	120V

Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	50 or 60Hz +/- 5Hz (Auto-sensing)
Output Voltage Regulation (Battery Mode)	+-10%
Load Management Receptacles	Group of 5x 5-15R
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	120V
Output Receptacles	(5) 5-15R
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	1.7 min. (450W)
Runtime Half Load (min.)	8 min. (225W)
Expandable Runtime	No
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	8 hours
Battery Access	Rear panel battery door
Battery Replacement Description	Replaceable internal battery (see manual)
Battery Recharge Time	8 hours
POWER	
Input Voltage(s)	120VAC
Battery Voltage (VDC)	12
USER INTERFACE, ALERTS & CONTROLS	
Switches	POWER ON - Press and hold power button about 1 secondUPS will be turned on. POWER OFF - Press and hold power button about 2 secondsUPS will be turned off
Alarm Cancel Operation	Audible Alarm Enable/Disable - In line modePress and hold power button about 10 secondsFlashing Green LED indicates UPS will enter alarm Enable, Flashing Red LED indicates UPS will enter alarm Disable
Audible Alarm	In battery modePress and hold power button about 5 secondsUPS will enter Temporary Muteand then press and hold 5 seconds again to cancel this setting
LED Indicators	UPS- GREEN - ON SOLID when the line input voltage is normal and battery fully charged. FLASH GREEN in line mode when charging battery. FLASH GREEN every 10s when the UPS is supplying battery power to the loads. RED - Flashes when the battery needs to be recharged and tested. Cloud interface - Network Link/Activity (GREEN): Flashes when there is network activity. Network speed (Yellow): 100 Mbps network speed (On Solid), 10 Mbps network speed (Flashing).
SURGE / NOISE SUPPRESSION	
AC Suppression Joule Rating	190

AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Desktop; Surface Mount; Wall-mount
Rack Height	0U
Shipping Dimensions (hwd / in.)	10.32 x 6.18 x 14.92
UPS Housing Material	Plastic
Unit Dimensions (hwd / in.)	3.150 x 11.024 x 7.087
Unit Weight (lbs.)	7.05
Unit Weight (kg)	3.20
Input Cord Color	Black
ENVIRONMENTAL	
Operating Temperature Range	32° to 122°F (0° to 50°C)
Storage Temperature Range	23° to 122°F (-5° to 50°C)
Relative Humidity	0-95% RH @ 0-40C, non-condensing
AC Mode Efficiency Rating (100% Load)	97%
Operating Elevation	0-6562 ft. (0-2000 m)
Audible Noise	40 dBA at 1 meter front side
COMMUNICATIONS	
Network Monitoring Port Description	Ethernet port (RJ45) - Port connects to a local network.
Network Monitoring Port	Network Configuration (options): with NFC; USB-C port: by enabling CLI commands.
Network Management Card Description	Cloud-connected Remote Monitoring UPS
Communications Interface	Near Field Communication (NFC); RJ45 Network; USB-C
Emergency Power Off (EPO)/Remote On-Off (ROO)	No
LINE / BATTERY TRANSFER	
Transfer Time	4 - 6 ms (max < 10 ms)
Low Voltage Transfer to Battery Power (Setpoint)	95VAC ±5%
High Voltage Transfer to Battery Power (Setpoint)	145VAC ±5%
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Minimum Battery Voltage for Cold Start @11V
High Availability UPS Features	Surge/noise protection

Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; High efficiency economy mode operation
APPLICATIONS	
UPS Applications	Extreme Temperature Applications; Industrial; Retail/Point of Sale; Home/Office Desktop; Computer/Peripherals
STANDARDS & COMPLIANCE	
Product Certifications	CAN/CSA-C22.2 No. 107.3 (Canada); ICES (Canada); UL 1778
Product Compliance	ENERGY STAR Qualified; FCC Part 15 Class B (USA); RoHS
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$100,000 Ultimate Lifetime Insurance

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