500VA 400W 120V Lithium-Ion Standby Cloud-Connected UPS with Remote Monitoring - 6 NEMA 5-15R Outlets (Surge + Battery Backup), LCD, 5-15P Plug, 1U Rack/Tower

MODEL NUMBER: **BC500RT1ULNC**



Lithium UPS with included remote monitoring software provides 24/7 access and control of a multiple-device deployment via mobile app or web browser.

Highlights

- Cloud-based dashboard allows 24/7 remote monitoring via browser or mobile app
- Lithium-ion batteries can last 5 years or more, saving you money and maintenance time
- Create your account with two-factor authentication for an additional layer of security
- Switchable load banks let you shut down or reboot devices using the mobile app
- NFC technology allows easy configuration of network settings from your mobile device

Package Includes

- BC500RT1ULNC 120V 500VA 400W Standby Cloud-Connected UPS
- Rack-mounting hardware
- Quick Start Guide

Features

Compact 500VA/400W/120V Battery Backup for Critical IT Installations
The BC500RT1ULNC standby cloud-connected UPS system combines cloud connectivity, remote management and advanced protection features in a space-saving 1U rack-mount/tower design. Ideal for network closets, edge computing environments and remote installations, this UPS safeguards your vital IT equipment against blackouts, brownouts, overvoltages, surges and other power fluctuations, even in hard-to-reach or unmanned locations. ***Note**: In addition to rack or tower installation, this UPS can also be wall mounted using the optional SRWALLBRKT2U/4U/6U (sold separately).*

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
The BC500RT1ULNC restarts automatically once power is restored, regardless of battery charge level, saving you a costly site visit. During short blackouts and brownouts, the BC500RT1ULNC 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.

Lithium-Ion Batteries Designed for Long Life
The BC500RT1ULNC is equipped with advanced lithium-ion battery technology, offering a service life of five years or more, which is at least twice as long as traditional lead-acid batteries. Not only does this reduce maintenance and replacement costs, but it also makes the UPS lighter, more efficient and ideal for deployments where reliability and longevity matter, such as retail locations, home/office setups and remote or hard-to-access IT environments.

NEMA 5-15R Outlets and Switchable Load Banks Protect Connected Components
Six 5-15R outlets provide battery backup and surge protection for your router, network switch, server and

other electronic devices. Two main outlets remain continuously active whenever the UPS is operational, ensuring a reliable power supply to critical devices. Four outlets are split into two switchable load banks. Remote monitoring allows individual control of the banks, which can be powered on/off or cycled remotely, saving you an expensive and time-consuming on-site visit.

Communications Ports
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 LEDs allow at-a-glance local monitoring of input voltage, load level, battery charge status, system faults 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 home-friendly 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.

Specifications

OVERVIEW	
UPC Code	037332281296
UPS Type	Standby
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	4.2
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
Input Circuit Breakers	7A
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
Input Plug Type	NEMA 5-15P
Input Cord Length (ft.)	5
Input Cord Length (m)	1.52
OUTPUT	
Output Capacity (VA)	500
Output Capacity (kVA)	0.5
Output Capacity (Watts)	400
Output Capacity (kW)	0.4

Power Factor	0.8
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	2 BANKS: 1 BANK OF 2 (LOAD 1) 1 BANK OF 2 (LOAD 2)
Output AC Waveform (AC Mode)	Sinewave
Output (Watts)	400
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	120V
Output Receptacles	(6) 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	2 BANKS: Load BANK 1: 2 outlets Load Bank 2: 2 outlets
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Lithium Ion
Runtime Full Load (min.)	3 min (400W)
Runtime Half Load (min.)	14 min (200W)
Expandable Runtime	No
DC System Voltage (VDC)	12.8
Battery Recharge Rate (Included Batteries)	Less than or equal to 8 hours (Max to 90%)
Battery Access	Battery Access Door
USER INTERFACE, ALERTS & CONTROLS	
Diagnostic LED(s)	Yes
Front Panel LCD Display	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	Power (On/Off)
Alarm Cancel Operation	Press and hold power button for more than 4 seconds to mute alarm or release mute.
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, 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
AC Suppression Joule Rating	158
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Rackmount
Rack Height	1U
Cooling Method	Convection
Included Mounting Accessory Description	Rack mounting hardware
Installation Form Factors Supported with Included Accessories	2 post 19 inch rackmount; 4 post 19 inch rackmount; Tower
Maximum Device Depth (cm)	21.01
Maximum Device Depth (in.)	8.27
Maximum Device Depth (mm)	210
Minimum Required Rack Depth (cm)	26.67
Minimum Required Rack Depth (inches)	10.5
Primary UPS Depth (mm)	210
Primary UPS Height (mm)	44
Primary UPS Width (mm)	437
Shipping Dimensions (hwd / in.)	5.31 x 20.00 x 11.73
Shipping Weight (kg)	3.40
UPS Housing Material	ABS
UPS Power Module Dimensions (hwd, in.)	1.730 x 17.200 x 8.270
UPS Power Module Weight (kg)	2.60
UPS Power Module Weight (lbs.)	5.730
Unit Dimensions (hwd / in.)	1.730 x 17.200 x 8.270
Unit Weight (lbs.)	5.730
Unit Weight (kg)	2.60
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	32° to 122°F (0° to 50°C)
Relative Humidity	0-95% (non-condensing)

AC Mode BTU / Hr. (Full Load)	24.60
AC Mode Efficiency Rating (100% Load)	>98.2%
AC Economy Mode Efficiency Rating (100% Load)	0.98
Operating Elevation	9842 Ft
Audible Noise	40 dBA @ 1 meter
COMMUNICATIONS	
Network Monitoring Port Description	The UPS models support Free access to Eaton's cloud-based Brightlayer® Remote Monitoring App for quick and easy setup, control and management, for one or multiple device deployment.
Network Management Card Description	Network management card included
Communications Interface	Included network card; Near Field Communication (NFC); RJ45 Network; USB-C
LINE / BATTERY TRANSFER	
Transfer Time	4ms typical (10ms max)
Low Voltage Transfer to Battery Power (Setpoint)	95V +/- 5%
High Voltage Transfer to Battery Power (Setpoint)	145V +/- 5%
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Remote management; Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
Cold Start	Cold-start operation supported
APPLICATIONS	
UPS Applications	Home/Office Desktop
STANDARDS & COMPLIANCE	
Product Certifications	CAN/CSA-C22.2 No. 107.3 (Canada); CSA (Canada); NOM (Mexico); UL 1778
Product Compliance	CEC (California Energy Commission); DOE (Department of Energy); ENERGY STAR Qualified; FCC Part 15 Class B (USA); RoHS
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	5-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

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