

## BLF-1220A 12V, 20Ah LFP Battery by Bioenno



Price: CAD \$299.00

**SKU:** BBBLF1220A

**Product Categories:** [Batteries](#), [Lithium](#), [Multi-Use : 12V, 20-99AHr](#), [Shop](#)

**Product Tags:** [12v](#), [20ahr](#), [bioenno BLF-1220A](#), [bioenno BLF-1220A canada](#), [BLF-1220A](#), [BLF-1220A canada](#), [canada](#), [lfp battery](#), [lithium battery](#), [lithium iron phosphate](#)

**Product Page:**

<https://www.modernoutpost.com/product/blf-1220a-12v-20ah-lfp-battery-by-bioenno/>

### Product Summary

The **Bioenno Power Lithium Iron Phosphate (LiFePO4) Battery Model**

**BLF-1220A** is a state-of-the-art 12V 20Ah battery. The BLF-1220A is the entry level unit of Bioenno Power's high-power 12V battery line designed for more stationary applications and higher power consumption portable electronics requiring a higher capacity and greater power output battery.

### Product Description

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**BLF-1220A** is a state-of-the-art 12V 20Ah battery. The BLF-1220A is the entry level unit of Bioenno Power's high-power 12V battery line designed for more stationary applications and higher power consumption portable electronics requiring a higher capacity and greater power output battery while demanding a battery which can reliably provide excellent performance over an extended service life.

The battery has an integrated PCM (protection circuit module) which provides complete internal cell balancing, complete integrated protection along with integrated charge circuitry and boasts no EMI/RFI (Electromagnetic Interference/Radio-Frequency Interference) and is absolutely quiet! This unit has available a 110VAC/220 VAC AC-to-DC charger, that provides 4A, with a DC Plug. Please note that this battery should be charged using a LiFePO4 compatible charger, and not with a charger for SLA batteries.

### [BLF-1220A User Manual \[PDF\]](#) **Model BLF-1220A Battery Specifications**

Voltage: 12V

Capacity: 20Ah

Case Type: PVC Pack

Charge Connector: DC Barrel Plug

Discharge Connector: Anderson Powerpole

Maximum Continuous Discharge Current: 40A (make sure your electrical load consumes less than 40A)

Maximum Power Delivered to Load at 12V: 480 Watts (12V x 40A = 480 Watts)

Maximum Peak Discharge Current: 60A (3 sec)

Dimensions:(L x W x H) 6.5 in. x 4.31 in. x 3.3 in. (160 mm x 108 mm x 83 mm)

Weight: 5.4 lbs. (2.4 kg.)

Includes built-in PCM (protection circuit module) which provides internal cell balancing and management, protection from overcurrent, undervoltage (overdischarge), overvoltage and short circuiting, and has integrated charging circuitry

Available 110VAC / 220 VAC Charger

Warranty: 2 Year Warranty

## Compatible AC-to-DC Charger Specifications

Input Voltage: 110VAC/120VAC

Output Voltage: 14.6VDC

Current: 4A

Connector: DC Plug

Model Number: **BPC-1504DC**

Need a Box To Put Your Battery In?

### **PwrBox2 by PowerWerx**

Exterior Dimensions (including binding posts):

9.75 in. H x 7.375 in. W x 13.5 in. L (247.7 mm x 187.3 mm x 342.9 mm)

Maximum Interior Dimensions:

5.88 in. H x 5.94 in. W x 11 in. L (149.2 mm x 150.9 mm x 279.4 mm).

Additional height is available in limited areas due to the shape of the lid and wire harness, up to 7.00 in. (187.3 mm).

Or the [MEGAbox2](#)] **Notes**

General: I noticed the Max and Peak Continuous Discharge on the label may be different from the website and why?

The printed label may be rated to 1C Max Continuous or 2C peak. However, for some models of batteries including the BLF-1212A, BLF-1212AB, BLF-1212AS, BLF-1215A, BLF-1215AS, and BLF-1220A, 30 Amp and 40 Amp PCM/BMS boards have been installed. The de-rating on the label to 1C is mentioned to ensure the battery can deliver more than 2,000 to 3,000 cycles. However, rest assured these batteries can deliver the 23 Amps for your ham radio equipment which has a duty cycle of 20% transmit and 80% receive. If you operate **continuous** at the 2C discharge (with no duty cycle), the cycle life is a bit less to about 1,800 to 2,000 cycles instead of 2,000 to 3,000 cycles.

## Product Attributes

- Dimensions: 1 &times; 1 &times; 1 cm
- Weight: 2.9 kg