

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



Price: CAD \$319.00

SKU: BBBLF1220AS

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

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

Product Page:

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

Product Summary

The **Bioenno Power Lithium Iron Phosphate (LiFePO₄) Battery Model BLF-1220AS** is a state-of-the-art 12V 20Ah battery. The BLF-1220AS meets or exceeds the power of a 12V 40Ah SLA at only 7 lbs. compared to 33 lbs. for an SLA. Quality performance in a standard ABS form factor designed to be a convenient drop-in solution. Ideal for hard use, it is used extensively in science, avionics,

e-bikes, radio communications, and audio-visual.

Product Description

The **Bioenno Power Lithium Iron Phosphate (LiFePO4) Battery Model BLF-1220AS** is a state-of-the-art 12V 20Ah battery. The BLF-1220AS meets or exceeds the power of a 12V 40Ah SLA at only 7 lbs. compared to 33 lbs. for an SLA. Quality performance in a standard ABS form factor designed to be a convenient drop-in solution. Ideal for hard use, it is used extensively in science, avionics, e-bikes, radio communications, and audio-visual.

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 Alligator Clips. Please note that this battery should be charged using a LiFePO4 compatible charger, and not a charger for SLA batteries.

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

Voltage: 12V

Capacity: 20Ah

Case Type: ABS Sealed

Charge/Discharge Connector : Screw Terminal

Maximum Continuous Discharge Current : 40A

Maximum Peak Discharge Current : 60A (5 sec.)

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

Dimensions:(L x W x H) : 182 x 77 x 171mm (7.2 in. x 3.2 in. x 6.7 in)

Weight: 2.6kg (5.8 lbs)

Warranty: 2 Year Warranty

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

Compatible AC-to-DC Charger Specifications

Input Voltage: 110VAC/120VAC

Output Voltage: 14.6VDC

Current: 4A

Alligator Clip Option : **BPC-1504C**

DC Barrel Option : [BPC-1504DC](#)] with [SB-DCPLUGFEMALE](#)]

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 × 1 × 1 cm
- Weight: 2.9 kg