

Lithium Iron Phosphate Batteries

Developed For Pin Brazing Utilizing the BAC EasyBond System



Introduction

Corrosion Service Company Limited has developed the next generation in power sources for the BAC Easybond Pin Brazing Solution.

Utilizing Lithium Iron Phosphate (LiFePO₄) batteries, this power source can provide a reliable, lighter solution, with triple the capacity, up to 130 shots or connections on a single charge, while operating in extreme cold temperatures (-30°C).

With the use of a propriety Lithium battery management system, a low voltage cutoff protects the battery from low voltage damage, and the battery is also protected from over-charge via this same automatic disconnect. This system manages the battery operation and ensures long battery life (over 2000 Cycles).

Offerings

We offer two Lithium Iron Phosphate battery options:

- 2 x 18V weighing 16.5LBS – Capable of 80 plus Shots
- 3 x 12V weighing 18LBS – Capable of 130 plus Shots

Features & Benefits

- + Capacity - Up to 130 brazing shots or connections.
- + Weather - Cold weather winter conditions have limited effect on shot capacity and does not require unit warming in winter. The unit will work in -30°C.
- + Weight Savings - 30% lighter than standard unit.
- + Functionality - Does not need to be on charge when not in use, as batteries do not self-drain.
- + Battery Protection - Auto Shut off feature that protects the battery against low voltage damage and over-charging.

Technical Data - 12 Volt Lithium Iron Phosphate

Nominal Voltage	12 volts
Terminal Type	SAE post (requires adapter), M6 female
Working Temperature	-22°F to 140°F (max 170°F) -30°C to 60°C (max 76°C)
Dimensions	7.3" x 3.1" x 6.7" or 18.5cm x 7.9cm x 8.1cm
Weight	6.00 pounds or 2.72 kilograms

Technical Data - 18 Volt Lithium Iron Phosphate

Nominal Voltage	18 volts
Terminal Type	SAE post (requires adapter), M6 female
Working Temperature	-22°F to 140°F (max 170°F) -30°C to 60°C (max 76°C)
Dimensions	10" x 6.75" x 3" or 25.4cm x 17.1cm x 7.6cm
Weight	8.25 pounds or 3.74 kilograms

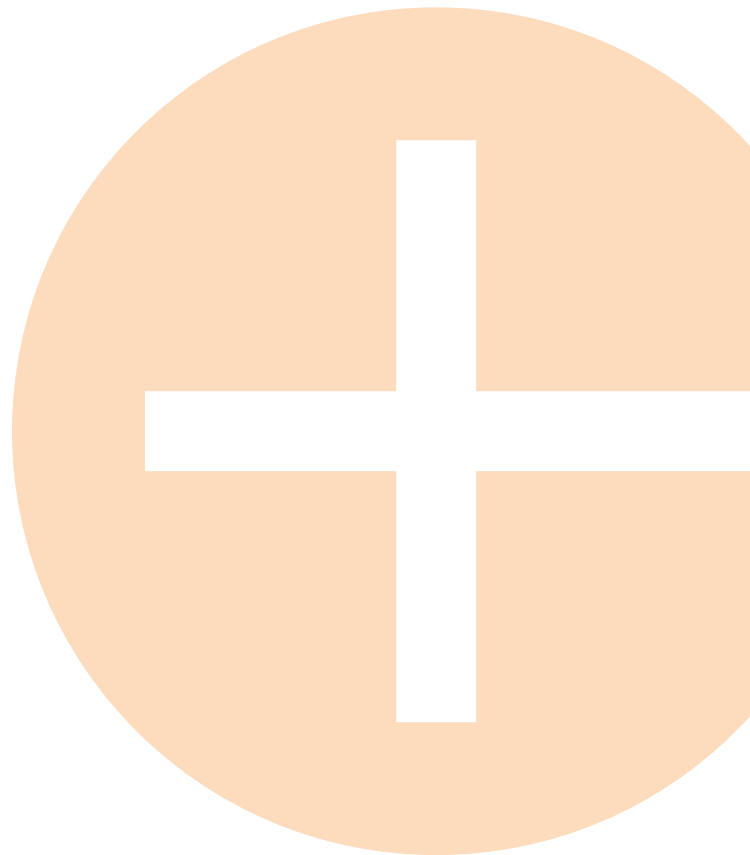
Conclusion:

With the implementation of these batteries with the Easybond Pin Brazing System, BAC and Corrosion Service have significantly improved the ease of usage, capacity, and cold weather capability of Pin Brazing in both the Oil & Gas and Rail Markets.



Features & Benefits

- + Boost function - Allows for 1 - 5 shots following auto shut-off.
- + Warranty - 12 months fully guaranteed (Improper use or damage not covered).
- + Consistency - The lowest misfire rate in the industry due to the enhanced power source providing a consistent output.
- + Battery Safety - The units utilize Lithium Iron Phosphate and are considered the safest of the Lithium batteries. One important advantage over Lithium-ion chemistries is thermal and chemical stability, which improves battery safety.



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