



Battle Born® 30Ah 12V LiFePO₄ Deep Cycle Battery

BASE
SERIES

Model: BBBS3012

The **Battle Born Base Series 12V 30Ah LiFePO₄** battery is engineered to deliver extended runtime and durability. It balances capacity, portability, and rugged design in a compact package. Built with premium quality cylindrical LiFePO₄ cells for consistency, longevity, and safety, it's rated for 3,000 - 5,000 charge cycles and can last over 10 years with proper use.

As a direct replacement for 12V sealed lead-acid (SLA) batteries, it offers safer operation and more than double the usable capacity in a lighter, longer-lasting design. A built-in Battery Management System (BMS) provides protection against extreme electrical and thermal conditions when used within a properly designed system.

Encased in a rugged, weather-resistant housing, the Base Series 30Ah is designed to perform in real-world conditions. You'll get all the advantages of lithium over lead-acid — higher usable capacity, faster recharge, and thousands of cycles — backed by a 5-year warranty and U.S.-based Battle Born support.



Key Features

30Ah / 384Wh Capacity—ideal balance of power and compact size

Premium Cylindrical LiFePO₄ Cells—safe, stable, and long-lasting

3,000 to 5,000 Cycles—outlasts sealed lead-acid replacements

Advanced Battery Management System (BMS)—provides protection against extreme electrical and thermal conditions when used within a properly designed system.

Certified for Safety—CE and ROHS compliant

Rugged, Weather Resistant Build—dependable in demanding conditions

Lightweight & Portable—easy to transport and install



Backed by U.S.-Based Battle Born Support

BATTLE BORN®
Unstoppable Power Solutions

battlebornbatteries.com



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Ideal Applications—12V 30Ah LiFePO₄ Battery

Serves as a drop-in replacement for U1 (12350 form factor) sealed lead-acid (SLA) batteries, such as the UB12350, NP33-12, and PS-12350 models.

Fish finders, flashers, and small boating electronics

Robotics, remote sensors, and industrial devices

Ice fishing setups and portable outdoor gear

Camping, hiking, and portable off-grid power

Small solar lighting and backup systems

Emergency backup for electronics and small motors

Lawn tractors, mobility scooters, and compact machinery

ATVs, UTVs, and other light utility vehicles

Specifications

Electrical Specifications

Nominal Voltage	12.8V
Capacity	30Ah
Energy	384Wh
Internal Resistance	≤50mΩ
Cell Type	LiFePO ₄ (Cylindrical)
PbEq (Lead-Acid Equivalent)	~60Ah SLA

Charge & Discharge

Recommended Charge Voltage	14.4V
Standard Charge Current	6A
Maximum Charge Current	15A
Maximum Continuous Discharge	30A
Discharge Cut-Off Voltage	~10V

Mechanical

Dimensions (L x W x H)	7.68 in. x 5.12 in. x 6.14 in.
Weight	8.60 lbs.
Case Material	ABS (Impact Resistant)

Temperature Ranges

Charging	32°F to 122°F (0°C to 50°C)
Discharging	-4°F to 140°F (-20°C to 60°C)

Proper system design, including appropriate wiring and external overcurrent protection, is required. Refer to the product manual for installation and application guidance.