



Battle Born® 20Ah 12V LiFePO₄ Deep Cycle Battery

BASE
SERIES

Model: BBBS2012

The **Battle Born Base Series 12V 20Ah** LiFePO₄ battery delivers dependable power in a compact, versatile package. Built with premium quality cylindrical LiFePO₄ cells for enhanced safety, it provides reliable performance, faster charging, and a long service life. Rated for 3,000 – 5,000 charge cycles, this battery can last over 10 years with proper use.

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.

Its rugged, weather-resistant construction makes it well-suited for demanding environments, while remaining lightweight and easy to handle. As part of the Base Series, this model delivers straightforward, no-frills lithium performance backed by a 5-year warranty and U.S.-based Battle Born support.



Key Features

20Ah / 256Wh Capacity—extended runtime in a 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



Battle Born® 20Ah 12V LiFePO₄ Deep Cycle Battery

BASE
S E R I E S

Model: BBBS2012

Ideal Applications—12V 20Ah LiFePO₄ Battery

Serves as a drop-in replacement for sealed lead-acid (SLA) batteries such as the UB12180, UB12220, and NP18-12B models.

Fish finders, flashers, and small boating electronics

Robotics, sensors, and industrial devices

Ice fishing setups and portable outdoor gear

Small solar lighting and backup power systems

Replacement for small sealed lead-acid batteries (12V)

Camping, hiking, and remote power setups

Mobility scooters, e-bikes, and compact electric vehicles

Trail cameras and field monitoring equipment

Specifications

Electrical Specifications

Nominal Voltage	12.8V
Capacity	20Ah
Energy	256Wh
Internal Resistance	≤50mΩ
Cell Type	LiFePO ₄ (Cylindrical)
PbEq (Lead-Acid Equivalent)	~40Ah SLA

Charge & Discharge

Recommended Charge Voltage	14.4V
Standard Charge Current	4A
Maximum Charge Current	10A
Maximum Continuous Discharge	20A
Discharge Cut-Off Voltage	~10V

Mechanical

Dimensions (L x W x H)	7.13 in. x 3.00 in. x 6.61 in.
Weight	5.70 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.