BATTLE BORN®

Unstoppable Power Solutions

2026

PRODUCT CATALOG

battlebornbatteries.com
855.292.2831
info@battlebornbatteries.com

powered by dragonfly® ENERGY

BATTLE BORN®

Table Of **Contents**

2026

Product Catalog

Unstoppable Power Solutions

About **Battle Born®**

Battle Born® products are used in mobile, off grid, and industrial power systems where reliability and consistent performance are required. Applications include RV, marine, commercial vehicle, energy storage, and industrial environments.

The Battle Born® portfolio includes batteries, power electronics, system components, and accessories designed to operate together as part of integrated power systems. Products are developed with attention to durability and safe operation in demanding conditions.

Battle Born® products are specified by OEMs, installers, and professional users who value long service life, system compatibility, and dependable technical support.

Proven In The Field

Over 400,000 Battle Born batteries deployed across mobile, off-grid, and industrial applications, providing a substantial real-world performance history.

Trusted by top OEMs including Airstream (RV), World Cat (Marine), and Werner Enterprises (Commercial Vehicles), amongst many others.

Premium Components & Construction

Products are built using high-quality cells, materials, and components selected for performance, safety, and longevity.

Disciplined Quality Control

Defined quality processes, validation protocols, and supplier oversight support consistent performance and long-term reliability.

Lithium System Engineering Expertise

Deep experience across lithium batteries, power electronics, and integrated system architectures, supporting reliable operation across diverse applications.

Scalable OEM & Channel Support

Proven ability to support OEM programs and reseller networks, from low-volume custom solutions to high-volume production requirements.

Professional U.S. Based Technical Support

Technical support, documentation, and warranty administration are managed by experienced teams based in the United States.

Powered by **Dragonfly Energy®**

Battle Born® is a brand of Dragonfly Energy, a U.S. based energy storage technology company focused on lithium battery design and development. Dragonfly Energy supports Battle Born® products through in house engineering, product development, and continued advancement of battery cell and system technologies.

BATTLE BORN®

Unstoppable Power Solutions

Standard Batteries LiFePO4 Batteries

Category Overview

Battle Born Traditional LiFePO4 Batteries are the foundation of the Battle Born product lineup and have been trusted in real-world use for more than a decade. With over 400,000 batteries deployed, this product line has proven its reliability across RV, marine, off-grid, and commercial applications.

Designed and assembled in the United States, these batteries are built for customers who want long-term performance, dependable operation, and products that are supported well beyond the initial installation. Battle Born Batteries are engineered to deliver consistent power in demanding environments and across a wide range of use cases.

Key Differentiators

Proven in Real-World Use

More than ten years of field deployment across hundreds of thousands of batteries provides a level of real-world validation that few lithium battery manufacturers can match.

Cylindrical Cell Architecture and LiFePO4 Chemistry

Battle Born Traditional Batteries use cylindrical lithium iron phosphate cells, selected for their durability, thermal stability, and consistent performance over long service lives.

Premium Materials & Construction

From high-quality lithium cells to robust battery cases and advanced battery management systems (BMS), each component is selected to support safety, longevity, and reliability.

Designed & Assembled in the U.S.A.

Battle Born batteries are designed and assembled in the United States using a combination of domestic and globally sourced components, ensuring consistent quality and support.

Advanced Battery Technology Upgrades

INTEGRATED HEATING

Integrated Heating

Integrated heating enables the battery to safely charge and operate in cold environments. When temperatures drop, the heating system automatically warms the cells to help maintain performance and protect the battery during charging.

DRAGONFLY IntelLigence

Dragonfly IntelLigence®

Dragonfly IntelLigence adds smart battery communication to select Battle Born batteries. This technology enables the battery to share real-time status and performance information, helping users better understand how their power system is operating.

Battery data can be viewed through the Battle Born Mobile App or displayed on compatible third-party displays using common communication protocols such as RV-C. This allows for improved system visibility, easier troubleshooting, and more informed power management decisions.

Standard Batteries LiFePO4 Batteries

Comparison Table

	BB**10012**	BB**GC3**	BB**GC2**	BB**5024**	BB**1275**
Amp Hours | Voltage	**100**Ah | **12**V	**270**Ah | **12**V	**100**Ah | **12**V	**50**Ah | **24**V	**75**Ah | **12**V
Group Size	**27/31**	**Proprietary**	**GC2**	**27/31**	**24**
Dimensions	12.76" L 6.86" W 8.95" H	22.83" L 7.09" W 13.15" H	10.31" L 7.28" W 11.02" H	12.76" L 6.86" W 8.95" H	10.49" L 7.11" W 8.93" H
Weight	**31** lbs.	**80.8** lbs.	**31** lbs.	**31** lbs.	**27** lbs.
Warranty	**10** Years	**10** Years	**10** Years	**10** Years	**10** Years
INTEGRATED HEATING	☑	☑	☑	☑	☑
DRAGONFLY Intelligence	☑	☑	☑		

Lithium vs. Lead Acid Batteries

Battle Born Batteries
100Ah 12V

Lead Acid
2x 100Ah 12V

Depth of Discharge	100%	50%
Battery Life	3,000 - 5,000 Cycles	500 - 1,200 Cycles
Weight	31 lbs.	120 lbs.
Warranty	10 Years	1 - 2 Years
Battery Protection	Internal BMS	Not Required

Standard Batteries LiFePO4 Batteries

100Ah 12V

Deep Cycle LiFePO4 Battery

Model **BB10012**

12.76" x **6.86**" x **8.95**" L x W x H

31 lbs.

Group **27** / Group **31**

Certifications Pack*

UN 38.3

UL/CSA-62133-2

UL-2054

IP65 - ANSI-IEC 60529-2020

CSA 60529:16 (R2021)

Class 1, Division 2, Group A, B, C, D
UL 121201:2019, CSA C22.2 No. 213-17

CE

Optional Upgrades BB10012H, BB10012i, BB10012iH

INTEGRATED HEATING | DRAGONFLY Intelligence

10 YEAR WARRANTY

270Ah 12V

Deep Cycle LiFePO4 Battery

Model **BBGC3**

22.83" x **7.09**" x **13.15**" L x W x H

80.8 lbs.

Proprietary Form Factor

Certifications Pack*

UN 38.3

UL/CSA-62133-2

UL-2054

IP65 - ANSI-IEC 60529-2020

CSA 60529:16 (R2021)

Class 1, Division 2, Group A, B, C, D
UL 121201:2019, CSA C22.2 No. 213-17

CE

Optional Upgrades BBGC3H, BBGC3i, BBGC3iH

INTEGRATED HEATING | DRAGONFLY Intelligence

10 YEAR WARRANTY

Standard Batteries LiFePO$_4$ Batteries

100Ah 12V GC2

Deep Cycle LiFePO4 Battery

Model **BBGC2**

10.31″ x **7.28**″ x **11.02**″ L x W x H

31 lbs.

Group **GC2**

Certifications Pack*

UN 38.3

UL/CSA-62133-2

UL-2054

IP65 - ANSI-IEC 60529-2020

CSA 60529:16 (R2021)

Class 1, Division 2, Group A, B, C, D
UL 121201:2019, CSA C22.2 No. 213-17

CE

Optional Upgrades BBGC2H, BBGC2i, BBGC2iH

INTEGRATED HEATING

DRAGONFLY Intelligence

10 YEAR WARRANTY

50Ah 24V

Deep Cycle LiFePO4 Battery

Model **BB5024**

12.76″ x **6.86**″ x **8.95**″ L x W x H

31 lbs.

Group **27** / Group **31**

Certifications Pack*

CE

Optional Upgrades BB5024H

INTEGRATED HEATING

10 YEAR WARRANTY

Standard Batteries

LiFePO4 Batteries

75Ah 12V

Deep Cycle LiFePO4 Battery

Model **BB1275**

10.49" x **7.11"** x **8.93"** L x W x H

27 lbs.

Group **24**

Certifications Pack*

UL/CSA-62133-2

Class 1, Division 2, Group A, B, C, D

UL 121201:2019, CSA C22.2 No. 213-17

CE

Optional Upgrades BB1275H

INTEGRATED HEATING

10 YEAR WARRANTY

HUB

Gateway Device for Smart Power Systems

Model HUB-KIT

3.65" x **3.14"** x **1.10"** L x W x H

2 oz.

Proprietary Form Factor

The Battle Born® HUB is required for multi-battery smart power systems enabling monitoring and viewing of performance data.

DRAGONFLY Intelligence

2 YEAR WARRANTY

Base Series Batteries

LiFePO4 Batteries

BASE SERIES

Category Overview

Battle Born Base Series LiFePO4 batteries deliver dependable lithium power in a compact, straightforward package. Designed for applications where simplicity, reliability, and value matter most, the Base Series provides an easy upgrade from traditional lead-acid batteries without added features or complexity.

These batteries are well suited for portable power systems, solar storage, emergency backup, small marine electronics, and other compact energy needs. Lightweight and maintenance-free, Base Series batteries provide consistent performance and long service life in a wide range of everyday applications.

Built with stable lithium iron phosphate (LiFePO4) chemistry and the same trusted cylindrical cell architecture used across the Battle Born lineup, Base Series batteries are designed to deliver reliable power customers can count on.

Key Differentiators

Reliable LiFePO4 Chemistry

Base Series batteries use lithium iron phosphate chemistry to provide stable power delivery, long cycle life, and improved efficiency compared to traditional lead-acid batteries.

Trusted Cylindrical Cells

These batteries utilize the same cylindrical lithium cells found in standard Battle Born batteries, supporting durability, consistency, and proven performance.

Built-In Battery Management System (BMS)

An integrated BMS protects the battery from over-charge, over-discharge, excessive current, temperature extremes, and short circuits, helping safeguard both the battery and connected equipment.

Compact & Lightweight Design

Designed for smaller systems and portable installations, Base Series batteries offer dependable energy storage in a space-efficient form factor that is easy to install and transport.

Maintenance-Free Operation

Sealed construction eliminates the need for routine maintenance, making Base Series batteries a practical simplified power solution.

Base Series Batteries

LiFePO4 Batteries

BASE SERIES

Base Series Comparison Table



	BB**BS1012**	BB**BS2012**	BB**BS3012**
Amp Hours | Voltage	**10**Ah | **12**V	**20**Ah | **12**V	**30**Ah | **12**V
Group Size	**1270**	**12180** / **12220**	**U1** / **12350**
Dimensions	5.94" L 2.56" W 3.66" H	7.13" L 3.00" W 6.61" H	7.68" L 5.12" W 6.14" H
Weight	**2.65** lbs.	**5.70** lbs.	**8.60** lbs.
Warranty	**5** Years	**5** Years	**5** Years

Base Series vs. Standard Batteries


	Base Series	**Standard** Batteries
Cell Type	**Cylindrical** LiFePO4	**Cylindrical** LiFePO4
Terminal Type	Standard	Flag Terminals
Series Connection	Max of **4** in series Up to 48V	Max of **4** in series Up to 48V
Parallel Connection	Maximum of **4** in parallel	**Unlimited**
Features	None	**Integrated Heating, Bluetooth®**
Listings	CE, ROHS, IP-Rated	**Certified** to UL Standards
Warranty	**5** Years	**10** Years
Assembly	Globally Manufactured	**American** Assembly

Base Series Batteries

LiFePO$_4$ Batteries

BASE SERIES

10Ah 12V

5 YEAR WARRANTY

Deep Cycle LiFePO4 Battery

Model BB**BS1012**

5.94″ x **2.56**″ x **3.66**″ L x W x H

2.65 lbs.

Group **1270**

Certifications Pack*

IP67 | CE | ROHS | UK CA

20Ah 12V

5 YEAR WARRANTY

Deep Cycle LiFePO4 Battery

Model BB**BS2012**

7.13″ x **3.00**″ x **6.61**″ L x W x H

5.70 lbs.

Group **12180** / **12220**

Certifications Pack*

IP67 | CE | ROHS | UK CA

30Ah 12V

5 YEAR WARRANTY

Deep Cycle LiFePO4 Battery

Model BB**BS3012**

7.68″ x **5.12**″ x **6.14**″ L x W x H

8.60 lbs.

Group **U1** / **12350**

Certifications Pack*

IP67 | CE | ROHS | UK CA

Inverters Components

Category Overview

Battle Born inverters and inverter/chargers convert stored battery power into reliable AC power for appliances, tools, and onboard electrical systems. Inverter/chargers also recharge batteries from shore power or generators, combining two essential functions into a single, space-efficient unit.

Designed for mobile, off-grid, and backup power applications, these products deliver dependable AC power, efficient charging, and seamless transitions between power sources.

Key Differentiators

Pure Sine Wave AC Power

Delivers clean, stable AC output suitable for sensitive electronics and demanding loads.

Integrated Inversion & Charging

Inverter/chargers combine power conversion and battery charging in one unit, simplifying installation and reducing system complexity.

Lithium-Optimized, Broadly Compatible

Optimized to work with Battle Born LiFePO4 batteries while remaining compatible with other lithium chemistries and traditional lead-acid batteries, supporting proper charging profiles and reliable long-term operation across a wide range of systems.

Automatic Transfer Switch

Built-in transfer switching enables smooth, uninterrupted transitions between shore power, generator power, and battery power.

Advanced Power Management

Features such as power control, inverter assist, and load management help prevent breaker trips and support peak load demands.

Expandable System Design

Supports parallel and series stacking for higher power output or split-phase configurations, allowing systems to scale as power needs grow.

User-Friendly Controls

Adjustable control panels and intuitive interfaces support clean installations and easy system monitoring.

Smart System Compatibility

Compatible with Dragonfly IntelLigence® for smart battery communication, enabling system monitoring through the Battle Born Mobile App* or compatible third-party displays using common communication protocols.

*Requires Battle Born smart batteries and Battle Born HUB.

Inverters Components

Comparison Table

	BBI2000	BBIC2000
Output Voltage	**120**VAC	**120**VAC
Continuous Power	**2,000**W	**2,000**W
Dimensions	14.6" L 12.0" W 4.0" H	16.1" L 12.0" W 4.0" H
Weight	**17.2** lbs.	**18.7** lbs.
Warranty	**3** Years	**3** Years
DRAGONFLY Intelligence	☑	☑

Accessories

	Product Name	Model No.
	Battle Born Inverter GFCI Kit	BBIGFCI
	Battle Born Stacking Module For Inverter/Charger Only	BBICSTK
	Minifit Jr. to 2x RJ45 Y Cable	MFJRSPLIT

Inverters

Components

True 2,000W Inverter

Pure Sine Wave

Model **BBI2000**

14.6″ x **12.00**″ x **4.00**″ L x W x H

17.2 lbs.

3 YEAR WARRANTY

DRAGONFLY Intelligence

Certifications

UL458

UL458 Marine Supplement

CSA 107.1

True 2,000W Inverter/Charger

Pure Sine Wave

Model **BBIC2000**

16.1″ x **12.00**″ x **4.00**″ L x W x H

18.7 lbs.

3 YEAR WARRANTY

DRAGONFLY Intelligence

Certifications

UL458

UL458 Marine Supplement

CSA 107.1

Alternator Charging Components

Category Overview

Wakespeed alternator charging products are built on proven, professional-grade technology designed to safely and efficiently charge battery systems directly from a vehicle's alternator. Engineered to prevent alternator damage and improper charging, Wakespeed solutions allow users to recharge while driving with confidence and precision.

Trusted across mobile, marine, and commercial applications, Wakespeed products deliver precise control, reliable performance, and broad compatibility across a wide range of vehicle platforms and battery systems. Optimized for use with Battle Born battery systems, with Pro versions integrating into the Battle Born Mobile App for system-level monitoring and configuration.

Key Differentiators

Proven Wakespeed Technology

Built on the same advanced alternator-charging technology trusted by professionals worldwide, now offered as Battle Born Wakespeed products for seamless integration with the Battle Born lineup.

Advanced Charge Control

Battle Born Wakespeed products regulate alternator charging using multiple parameters—including voltage, current, and temperature — for more precise, effective charging performance across battery chemistries.

Temperature-Aware Regulation

Real-time alternator and battery temperature monitoring helps protect components and maintain optimal charging conditions under varying conditions.

Flexible Configuration

Offers configurable options ranging from simple setup to advanced tuning, with support for a wide range of system voltages.

Optimized for Battle Born, Broadly Compatible

Engineered to plug and go with Battle Born smart batteries while pre-engineered profiles and adaptable configuration make these products compatible with many battery types and system architectures.

Advanced Control & Monitoring

Battle Born Wakespeed products can be monitored and configured through the Battle Born Mobile App* for streamlined system visibility, or through the Wakespeed app for advanced installer-level configuration and tuning.

*Requires Battle Born smart batteries and Battle Born HUB.

Alternator Charging Components

Comparison Table




	WS**500** Plastic	WS**500** Metal	WS**500PRO**	WS**48-12X**
System Voltage	**12**V, **24**V, **48**V	**12**V, **24**V, **48**V	**12**V, **24**V, **48**V	**12**V-**48**V, **48**V-**12**V
Dimensions	6.44" L 4.72" W 2.19" H	6.75" L 3.875" W 2.375" H	6.44" L 4.72" W 2.19" H	8.93" L 9.17" W 2.44" H
Warranty	**2** Years	**2** Years	**2** Years	
DRAGONFLY Intelligence			☑	☑

Alternator Charging Accessories

Product Name	**Model** No.
WS500 P-Type Harness with CAN	WSPHCAN
WS500 P-Type Harness with M12	WSM12ADP
500A / 50mV Shunt	WS500SHUNT/50
CAN Adapter / M12	WSM12ADP
RJ45 Cover Caps (Sold in Pairs)	WSRJCAP
Waterproof RJ45 Cable Ends (Field Install Kit)	WSRJ45FI
Wakespeed to Victron Energy Cable (UTPS-10 Blue)	WSVECROSS
WS500 Alternator Temperature Kit	WS.3MTHERM
WS500 Battery Temperature Kit	WS8MTHERM
WS500 Data Terminator Kit	WSDTSINGLE
WS500 Lithionics CAN Kit	WSCANADPLIT
WS500 OTG Micro-B Cable	WSUSBOTGM
WS500 OTG USB-A Cable	WSUSBOTG3

WS500

Advanced Alternator Regulator Plastic Enclosure

Model **WS500**

6.44″ x **4.72**″ x **2.19**″ L x W x H

System Voltage **12**V, **24**V, **48**V

2 YEAR WARRANTY



WS500

Advanced Alternator Regulator Metal Enclosure

Model **WS500**

6.75″ x **3.875**″ x **2.375**″ L x W x H

System Voltage **12**V, **24**V, **48**V

2 YEAR WARRANTY



WS500 Pro Bluetooth®

Advanced Alternator Regulator

Model **WS500PRO**

6.44″ x **4.72**″ x **2.19**″ L x W x H

System Voltage **12**V, **24**V, **48**V

2 YEAR WARRANTY

DRAGONFLY Intelligence



Alternator Charging Components

Wakespeed **48V/12V**

Bi-Directional DC-DC Converter

Model WS**48-12X**

6.44" x **4.72**" x **2.19**" L x W x H

System Voltage **12**V, **24**V, **48**V

DRAGONFLY Intelligence

Elite Rigid Solar Panels

Solar Panels

Category Overview

Battle Born® Elite Series rigid solar panels bring next-generation solar efficiency to mobile and off-grid power applications. Designed to deliver higher power output in the same footprint, Elite Series panels maximize available mounting space while reducing the total number of panels required.

Advanced monocrystalline cell architecture and integrated anti-shading technology help maintain strong energy production in partial shade and low-light conditions. The result is faster battery charging, longer runtime, and more consistent daily power generation compared to conventional rigid solar panels.

Key Differentiators

Higher Power Output in the Same Footprint

Elite Series panels deliver more watts per panel than standard modules, helping maximize available roof or mounting space.

Anti-Shading & Low-Light Performance

Advanced cell design minimizes energy losses from partial shading and maintains reliable output during dawn, dusk, and cloudy conditions.

High-Efficiency Monocrystalline Cells

Precision cell architecture achieves up to 23% module efficiency, delivering more usable energy from each panel.

Rugged, Weather-Resistant Design

Rated IP67 and tested to withstand high winds, heavy snow loads, salt mist exposure, and constant UV exposure for reliable operation in harsh environments.

High PID Resistance

Advanced materials and construction help minimize long-term power degradation, preserving consistent output over decades of use.

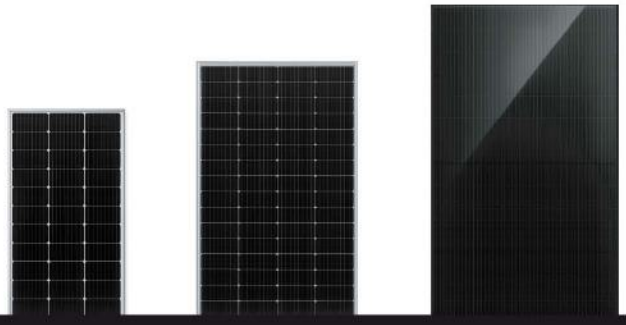
Durable Construction

Rigid anodized aluminum framing and low-iron tempered glass provide structural strength while maximizing light transmission.

Elite Rigid Solar Panels

Solar Panels

Comparison Table



	BB**PV-12-120**	BB**PV-12-230**	BB**PV-24-375B**
Power Output | Voltage	**120**W | **12**V	**230**W | **12**V	**375**W | **12**V
Module Efficiency	**23%**	**23%**	**23%**
Dimensions	42.13" L 22.83" W 1.38" H	59.84" L 30.12" W 1.38" H	68.90" L 42.99" W 1.38" H
Weight	**15.65** lbs.	**28.03** lbs.	**44.60** lbs.

Solar Panel Accessories

Product Name	**Model** No.
Z-Style Adjustable Curved Anti-Slip Bracket Black	BBB-UP-B
30FT Extension Cable, 10AWG Red/Black with MC4 Connectors	BBCBL-30RB
25FT Extension Cable, 10AWG Red/Black with MC4 Connectors	BBCBL-25RB
MC4 1' Flexible Branch Parallel Connector Set (M/FF and F/MM)	BBCBL-46
MC4 1' Flexible 4-to-1 Branch Connector Set (M/FFFF and F/MMMM)	BBCBL-47
MC4 1' Flexible 3-to-1 Branch Connector Set (M/FFF and F/MMM)	BBCBL-48
Solar PV Fuse 10A 1000VDC with MC4 Connector	BBC-10AF
Solar PV Fuse 20A 1000VDC with MC4 Connector	BBC-20AF

Elite Rigid Solar Panels

Solar Panels

120W 12V

Rigid Solar Panel

Model **BBPV-12-120**

42.13″ x **22.83**″ x **1.38**″ L x W x H

15.65 lbs.

23% Module Efficiency

10 Year Product Warranty

25 Year Performance Warranty

230W 12V

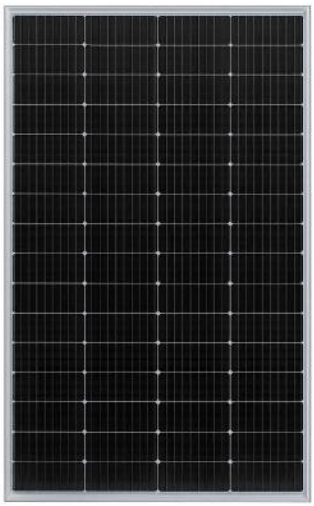
Rigid Solar Panel

Model **BBPV-12-230**

59.84″ x **30.12**″ x **1.38**″ L x W x H

28.03 lbs.

23% Module Efficiency



10 Year Product Warranty

25 Year Performance Warranty

375W 24V

Rigid Solar Panel

Model **BBPV-24-375B**

68.90″ x **42.99**″ x **1.38**″ L x W x H

44.60 lbs.

23% Module Efficiency

10 Year Product Warranty

25 Year Performance Warranty

Portable Solar Panels Solar Panels

Category Overview

Battle Born portable solar panels are designed to deliver flexible, deployable solar power wherever permanent mounting isn't practical. Built for mobility and ease of use, these panels provide reliable renewable energy for mobile, off-grid, and temporary power applications.

Portable solar panels allow users to position panels for optimal sun exposure, making them ideal for situations where conditions change throughout the day or where fixed installations are not possible. Lightweight designs and compact storage make transport and setup simple, while durable construction supports dependable performance in outdoor environments.

200W 12V

Portable Solar Panel

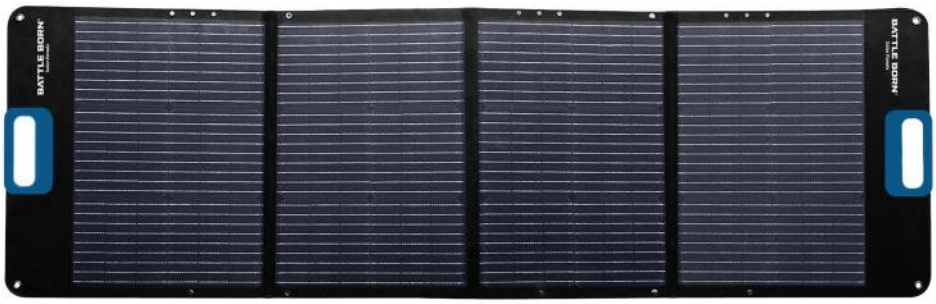
Model **BBPV-12-120**

23.27″ x **23.15**″ x **3.23**″ L x W x H Folded

87.99″ x **23.15**″ x **0.98**″ L x W x H Unfolded

19.62 lbs.

22.5% Module Efficiency



Idle Reduction & Auxiliary Power Systems

Category Overview

Battle Born idle reduction and auxiliary power systems are designed to provide reliable electrical power for trucks without extended engine idling. These systems support critical hotel loads such as climate control, lighting, refrigeration, and onboard electronics while the truck is parked or the engine is off.

By supplying dedicated auxiliary power, Battle Born solutions help reduce fuel consumption, limit engine wear, and improve overall operating efficiency. These systems are well suited for sleeper cabs and truck-based applications where dependable power is required during rest periods and stationary operation.

Key Differentiators

Engine-Off Power for Hotel Loads

Provides consistent electrical power to support cab comfort and essential hotel loads without running the truck's engine.

Reduced Fuel Consumption & Engine Wear

Minimizes idle hours, helping lower fuel costs and reduce unnecessary engine runtime associated with powering hotel loads.

Improved Driver Comfort

Enables heating, cooling, lighting, and electronics during rest periods without noise, vibration, or exhaust from engine idling.

Designed for Truck Integration

Engineered specifically for truck and sleeper cab installations, with components and form factors suited for mobile, on-vehicle use.

Quiet, All-Electric Operation

Delivers auxiliary power without the noise or maintenance requirements of traditional engine-driven APUs.

Lithium Power Technology

Leverages Battle Born lithium battery technology to deliver stable, reliable power across demanding duty cycles and operating conditions.

Idle Reduction & Auxiliary Power Systems

DualFlow Power Pack

Built to Power Sleep Cab Hotel Loads

Model **BBDFPP270**

23.25" x **13.81"** x **10.25"** L x W x H

117 lbs.

10 YEAR WARRANTY

* On Batteries

High-performance lithium battery system designed to power sleeper cab hotel loads while protecting starter batteries from excessive wear. Engineered for easy installation under the bunk with no modifications required, the DualFlow Power Pack reduces idle time, lowers fuel costs, and extends battery life.

All-Electric APU

Pure Sine Wave

Model **BBIC2000**

16.1" x **12.00"** x **4.00"** L x W x H

18.7 lbs.

10 YEAR WARRANTY

* On Batteries

The Battle Born All-Electric APU (Auxiliary Power Unit) is the most advanced and reliable power solution on the market for heavy-duty trucking. Equipped with a state-of-the-art lithium battery system, the All-Electric APU Deep In-Frame Model straddles t he drive shaft and provides ample power to run the hotel loads of your long-haul rig, including an HVAC unit, appliances, and other electronics, all without idling.

The Battle Born® All-Electric APU has multiple form factors. For more information please contact trucking@battlebornbatteries.com

Power Stations

Industrial Grade Power Stations

Category Overview

Battle Born power stations are industrial-grade, portable energy solutions designed to deliver reliable AC and DC power wherever grid power isn't available. Built around high-capacity lithium battery storage and integrated power electronics, these all-in-one units provide dependable power for demanding applications without permanent installation or complex system design.

Designed and assembled in North America, Battle Born power stations are engineered for durability, safety, and consistent performance in real-world environments, from jobsites and field operations to emergency and mobile power needs.

Key Differentiators

Industrial-Grade, All-in-One Power

Each power station integrates lithium battery storage, inverter, and power management into a single, portable enclosure designed for professional us

High-Capacity LiFePO4 Battery Technology

Powered by lithium iron phosphate batteries for long service life, thermal stability, and reliable deep-cycle performance.

Clean, Stable AC Power Output

Built-in pure sine inverters deliver consistent AC power suitable for tools, equipment, and sensitive electronics.

Rugged, Application-Ready Construction

Housings and components are designed to withstand frequent transport and use in industrial, outdoor, and mobile environments.

Designed & Assembled in North America

Engineered and assembled in North America to support consistent quality, serviceability and long-term support.

Third-Party Certified for Safety & Reliability

Certified and listed by an independent third-party laboratory to help ensure safe operation, electrical compliance, and dependable performance.

Power Stations

Industrial Grade Power Stations

Comparison Table

	BB**PS3000**	BB**PS5000**
Power Output	**3,000**W	**5,000**W
Energy Storage	**2.5**kWh	**5.1**kWh
Dimensions	23.8" L 15.5" W 13.2" H	25.6" L 20.0" W 11.8" H
Weight	**75.6** lbs.	**132.0** lbs.
Warranty	**30** Months	**30** Months

Power System Accessories

	Product Name	Model No.
	BBPS3000 Vehicle Charger Cigarette Lighter	ACC0025
	BBPS3000 Vehicle Charger Fast Charge	ACC0024
	BBPS3000 "Off Road" Carrier	ACC0021
	BBPS5000 Vehicle Charger Cigarette Lighter	ACC0010
	BBPS5000 Vehicle Charger Fast Charge	ACC0011
	BBPS5000 "Off Road" Carrier	ACC0022

Power Stations

Industrial Grade Power Stations

3,000W

Industrial Grade Power Station

Model **BBPS3000**

23.8″ x **15.5**″ x **13.2**″ L x W x H

75.6 lbs.

2.5kWh Energy Storage

- Power Switch Off | DC Only | AC/DC
- Generator Auto-Start
- Solar/Alternator Port*
- Charger Input
- **2X** 120VAC/60Hz Outlets
- 12V DC Accessory Port

*Note: Alternator/Solar Connecting Adapter is Included.

30 MONTH WARRANTY

5,000W

Industrial Grade Power Station

Model **BBPS5000**

25.6″ x **20.0**″ x **11.8**″ L x W x H

132.0 lbs.

5.1kWh Energy Storage

- Power Switch Off | DC Only | AC/DC
- Generator Auto-Start
- Solar/Alternator Port*
- Charger Input
- **2X** 120VAC/60Hz Outlets
- 12V DC Accessory Port

*Note: Alternator/Solar Connecting Adapter is Included.

30 MONTH WARRANTY

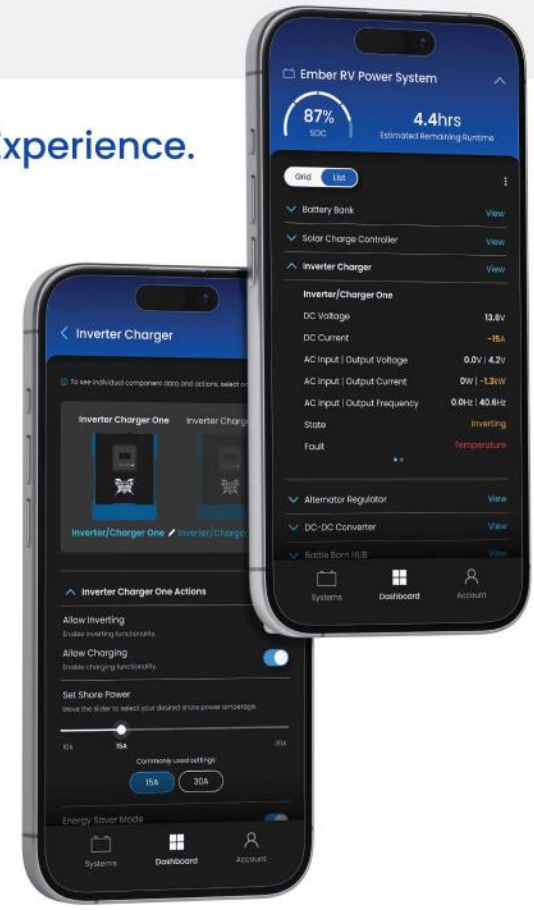
Battle Born® Mobile App

Unstoppable Power. One Connected Experience.

Powered by Dragonfly IntelLigence®

The Battle Born® Mobile App brings your entire power system into one intuitive, connected interface. Designed to deliver deeper system visibility and improved control, the app provides a streamlined experience across compatible Battle Born components.

From monitoring performance to adjusting system behavior, the Battle Born® Mobile App helps simplify power management and puts key information at your fingertips.



Real-Time System Monitoring

View live system data including battery state of charge, voltage, current flow, power in/out, and estimated runtime across connected components.

Battery Bank Visibility & Health Insights

Monitor individual Battle Born smart batteries or entire battery banks to understand system status, balance, and overall performance.

Alerts & Notifications

Receive notifications when defined thresholds or operating conditions are reached, helping users stay informed of system activity and status changes.

Installer Mode

Installer Mode provides dealers, installers, and OEMs with access to advanced setup options to pre-configure power systems prior to customer delivery. This includes establishing system settings during installation and commissioning before transferring the system to the end user.

RV-C Communication

When paired with the Battle Born HUB, the app supports RV-C communication, enabling integration with compatible RV control networks and third-party displays.

Unified Dashboard Experience

All connected systems are presented within a single, organized interface designed to simplify system oversight and reduce complexity.

Built for **Connected Power Systems**

- Designed for use with Battle Born smart batteries and IntelLigence-enabled components
- Supports both straightforward monitoring and more advanced system configurations
- Scales from simple installations to complex power systems

Get the App

Available in the iOS App Store and on Google Play.

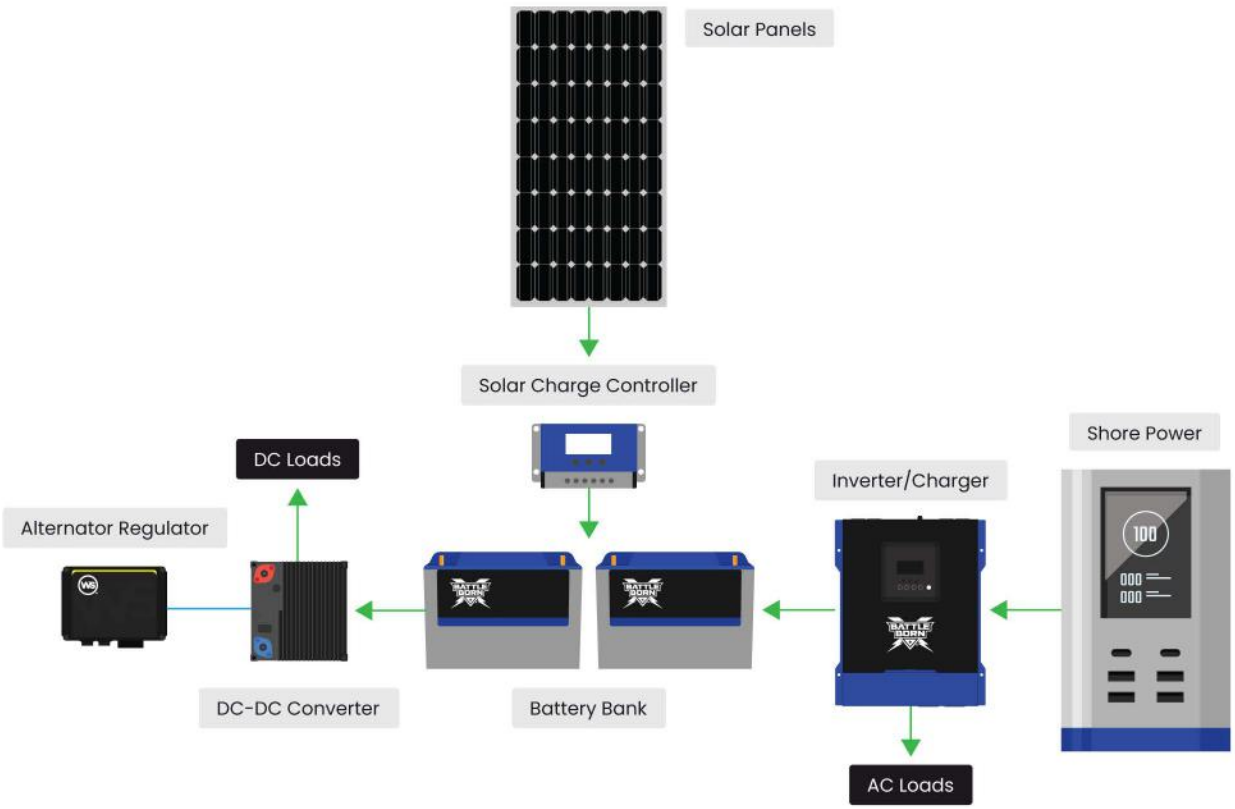
Download on the App Store

GET IT ON Google Play

Diagram of a **System** System Sizing Guides

At a Glance: **Battle Born LiFePO$_4$ Power System**

A Battle Born power system combines energy storage, charging sources, and power conversion to deliver reliable electricity for DC and AC loads.



Core Components

Battery Bank

Stores energy and supplies power to the system when charging sources are unavailable.

Solar Panels

Generate renewable power from sunlight to recharge the battery bank.

Solar Charge Controller

Regulates solar input to safely and efficiently charge the batteries.

DC Loads

Power 12V or DC devices such as lighting, fans, pumps, and electronics.

AC Loads

Power appliances, outlets and AC equipment.

Alternator Charging

Uses the vehicle alternator to charge the battery bank while driving.

Inverter / Inverter-Charger

Converts battery power to AC for appliances and equipment. In inverter-charger systems, also recharges batteries from shore or generator power.

Converter (DC Charger)

Recharges the battery bank from shore or generator power when an inverter-charger is not used.

Shore Power / Generator

Provides AC power when plugged in or when a generator is running.

Battery Bank Sizing Guide

System Sizing Guides

For Battle Born LiFePO4 Power Systems

Want a Faster Answer?

For a quick and easy way to size your battery bank, use the Battle Born Battery Calculator.
This online tool helps estimate battery capacity based on your power usage, system voltage, and application.

Visit battlebornbatteries.com/learn/calculator/

1. Estimate Daily Energy Use

Start by estimating how much energy you use in a typical day.

Simple Method

1. List the devices you plan to run (lights, refrigerator, inverter loads, pumps, electronics).
2. For each device, calculate daily energy use: **Watts × Hours Used Per Day = Watt-Hours (Wh)**
3. Add all loads together to get total daily energy use (Wh/day).

To convert to amp-hours (Ah): **Watt-Hours ÷ System Voltage = Amp-Hours**

2. Choose a Target Battery Bank Size

Battle Born LiFePO4 batteries allow a high percentage of usable capacity compared to lead-acid batteries, meaning you can size closer to your actual energy needs.

Example 12V System

i. Daily use: **2,400 Wh**
ii. 2,400 ÷ 12 = **200 Ah per day**

Best Practice: Size your battery bank to cover 1–2 days of typical energy use without recharging when possible.

3. Match to Battle Born Batteries

Battle Born batteries are rated in amp-hours at 12V (e.g., 100 Ah). To estimate battery count:
Required Ah ÷ Battery Ah = Number of Batteries

Example 200Ah ÷ 100 Ah = 2 Batteries

Adjust for system voltage:

i. 24V systems: divide total Ah by 2
ii. 48V systems: divide total Ah by 4

4. Account for Inverter Use

If powering AC loads through an inverter:

i. Inverters increase current draw from the batteries
ii. Larger inverters may require additional batteries to handle surge loads

General Guidance A minimum of two batteries is recommended for larger inverter systems.

5. Plan for Real-World Conditions

Consider factors that affect usable capacity:

i. Cold temperatures can reduce available energy
ii. Charging sources (solar, alternator, shore power) influence how much reserve you need
iii. Extra capacity provides margin for cloudy days or higher-than-normal usage

Battery Bank Cable Sizing Guide

System Sizing Guides

Proper cable sizing is critical for safe and reliable battery system performance. Cable size is determined by current (amps) and cable length. Undersized cables can cause voltage drop, overheating, and reduced system performance.

General Guidance

i. Size cables based on maximum continuous current
ii. Use larger cable for longer runs
iii. Aim to keep voltage drop to 2–3% or less
iv. When in doubt, choose the larger cable size

> Chart below assumes 12 V DC systems, stranded copper battery cable, and typical mobile or off-grid installations. For 24 V systems, allowable distances approximately double. For 48 V systems, allowable distances approximately quadruple.

Current (A)	0-4	4-7	7-10	10-15	15-20	20-25	25-30
0-5	16 AWG	16 AWG	16 AWG	16 AWG	14 AWG	12 AWG	12 AWG
5-10	16AWG	16 AWG	14 AWG	12 AWG	10 AWG	10 AWG	10 AWG
10-15	14 AWG	14 AWG	12 AWG	10 AWG	10 AWG	8 AWG	8 AWG
15-20	14 AWG	12 AWG	12 AWG	10 AWG	8 AWG	6 AWG	6 AWG
20-25	12 AWG	10 AWG	10 AWG	8 AWG	6 AWG	6 AWG	6 AWG
25-30	10 AWG	10 AWG	10 AWG	8 AWG	6 AWG	6 AWG	4 AWG
30-40	8 AWG	8 AWG	8 AWG	6 AWG	6 AWG	4 AWG	4 AWG
40-50	8 AWG	8 AWG	6 AWG	6 AWG	4 AWG	4 AWG	2 AWG
50-60	6 AWG	6 AWG	6 AWG	4 AWG	4 AWG	2 AWG	2 AWG
60-70	6 AWG	6 AWG	4 AWG	4 AWG	2 AWG	2 AWG	1/0 AWG
70-80	4 AWG	4 AWG	4 AWG	4 AWG	2 AWG	2 AWG	1/0 AWG
80-90	4 AWG	4 AWG	4 AWG	2 AWG	2 AWG	1/0 AWG	1/0 AWG
90-100	2 AWG	2 AWG	2 AWG	2 AWG	2 AWG	1/0 AWG	1/0 AWG
100-120	2 AWG	2 AWG	2 AWG	2 AWG	1/0 AWG	1/0 AWG	2/0 AWG
120-150	1/0 AWG	1/0 AWG	1/0 AWG	1/0 AWG	1/0 AWG	2/0 AWG	4/0 AWG
150-200	2/0 AWG	2/0 AWG	2/0 AWG	2/0 AWG	2/0 AWG	4/0 AWG	4/0 AWG

Length in Feet

Best Practices

i. Fuse all battery cables close to the battery
ii. Keep positive and negative cable lengths equal
iii. Aim to keep voltage drop to 2–3% or less
iv. When in doubt, choose the larger cable size

Inverter Sizing Guide

System Sizing Guides

Choosing the right inverter ensures your system can power the loads you need without over-sizing or under-estimating capacity.

1. **Identify** Your AC Loads

List every device you want to run from AC power (plug-in appliances, power tools, chargers, etc.).

For Each Item

1. Find the running wattage (W)
2. If available, note the surge wattage (often required to start motors or compressors)

2. **Add** Up Your Loads

Total Running Watts: Sum the running wattage of all devices you plan to operate at once.

Total Surge Watts: Use the highest single surge requirement when starting motors (e.g., refrigerators, pumps, power tools). Inverter capacity must handle this surge briefly.

3. **Choose** Your Inverter Size

Rule of Thumb

i. Inverter continuous rating ≥ total running watts
ii. Inverter surge rating ≥ highest single surge wattage

Example

i. Running load = **1,200W**
ii. Highest surge required = **2,400W**

Choose a 2,400 W inverter or larger that supports the surge and continuous load.

4. **Plan** for Efficiency & Headroom

i. Inverters have efficiency losses — plan for at least 20–30% headroom above your calculated loads when possible.
ii. Larger system loads and future expansion may justify a larger inverter.

5. **Account** for Inverter Use

Inverter draw increases current from the battery bank.

i. Larger inverters pull more amps, so ensure your battery bank and cable sizing align with inverter demands.
ii. Minimum recommended battery count for larger inverters:

A two-battery minimum is common to support higher power in 12 V systems.

Quick Reference

Load Watts	**Recommended** Inverter Size
≤ 500W	1,000–1,500W Inverter
500–1,000W	1,500–2,000W Inverter
1,000–1,500W	2,000–2,500W Inverter
1,500–2,000W	2,500–3,000W Inverter
>2,000W	3,000W+

Solar Sizing Guide

System Sizing Guides

Solar panels recharge your batteries during daylight hours and help maintain daily power availability. Proper sizing ensures your system can keep up with typical energy use.

1. **Start** with Your Battery Bank

A simple way to size solar is to base it on your battery capacity.

Battle Born general recommendation 12V Systems

i. 200 watts of solar per 100Ah of LiFePO4 battery

This range provides a good balance of recharge speed and real-world conditions.

Example

i. 2 × 100Ah batteries = 400–600W of Solar

2. Check Daily Energy Needs Optional

If you know your daily energy use: **Daily Energy (Wh) ÷ Peak Sun Hours = Solar Watts Needed**

Example

i. 2,400 Wh ÷ 4 hours ≈ 600W of solar

2. Account for Real-World Conditions

Solar output varies due to:

i. Weather and cloud cover
ii. Panel angle and shading
iii. Temperature and system losses

Rule of Thumb

i. Add 20–30% extra solar capacity when space allows.

Best Practices

i. Minimize shading whenever possible
ii. Match solar array size to your charge controller
iii. Fixed panels provide consistency; portable panels add flexibility

BATTLE BORN®

Unstoppable Power Solutions