



Model **BBPS5000**

POWER STATION 5000

Industrial Grade Energy System



5 kW Industrial Grade Energy System

The **Battle Born Power Station Pro 5000** is a high-capacity, portable energy system designed for demanding applications where reliability matters most. Delivering 5 kW of continuous, pure sine wave output and 5.1 kWh of long-lasting LiFePO₄ energy, it provides clean, quiet, and safe operation with zero emissions. Equipped with advanced charging technology, the Power Station Pro 5000 can rapidly recharge through solar, grid, or vehicle-alternator input, ensuring it is always ready when power is critical. Built with advanced electronics, intelligent power management, and rugged design, it offers maximum efficiency and dependable performance in any environment. With integrated heating, weather-sealed construction, and exceptional build quality, this industrial grade energy system delivers maintenance-free power and rapid charging when it matters most. Proudly assembled in North America.

Key Features

High-Performance LiFePO₄ Battery Technology

Powered by advanced LiFePO₄ chemistry rated for over 3,500 cycles, delivering safe, maintenance-free energy with superior thermal stability and long-term reliability.

Low Maintenance, High Reliability

Battle Born Power Station systems are designed for consistent, worry-free performance—no routine upkeep required. Focus on your work, not your power source.

Integrated Heating System

Automatically regulates internal temperature for reliable operation in extreme cold—maintaining performance down to -22 °F.

Built for the Elements

Engineered to perform consistently across a wide temperature range of -22 °F to 122 °F, ensuring dependable power in both cold and hot environments.

30 Month Warranty

Weather-Sealed & Dust-Resistant Design

Constructed to operate in the harshest environments, from job sites and service vehicles to remote field operations, keeping internal systems protected from dust, debris, and moisture.

Pure Sine Wave Power Output

Delivers clean, stable AC power for sensitive electronics and high-demand tools alike, providing 5 kW on the Power Station Pro 5000.

Three-Way Charging Flexibility

Recharge via solar, vehicle, or grid power with advanced MPPT technology for fast, intelligent charging anywhere work takes you.

Assembled in North America

Proudly assembled and tested in North America to meet demanding safety and performance certifications, including UL9540A, UL1642, and UL1741.

Sales

info@battlebornbatteries.com
855.292.2831

BATTLE BORN®
Unstoppable Power Solutions

battlebornbatteries.com

Key Features Case

Smooth, Silent Mobility

Durable polyurethane wheels with stainless-steel bearings roll easily across rough terrain for quiet, effortless transport. Take it further with the optional Off-Road Carrier, designed for heavy-duty mobility over sand, gravel, and uneven ground.

Retractable Handle for Easy Transport

An adjustable two-stage handle ensures comfortable control and portability, even when fully loaded.

Indestructible & Lightweight NK-7 Resin

Impact-resistant and ultra-light, this rugged NK-7 resin shell is designed with reinforced corners and thick walls to absorb shocks and protect critical components in the harshest environments.

Weather-Sealed & Dust-Resistant

Built to keep out rain, dust, and debris so your power system performs flawlessly wherever it's deployed.

Specifications

Category	Power Station Pro 5000
Power Output	5,000W
Surge Power	7,000W 500ms 10,000W 10ms
Loaded Motor Capacity	+3 HP
Energy Storage	5.1 kWh
Battery Chemistry	LiFePO ₄
Cycle Life	3,500+ Cycles
Voltage (AC)	120V AC 240V AC EU
Frequency	60 Hz 50 Hz EU
Solar Input Power	5,500 W
Solar Input Volt. Range	140 – 320 V DC
Max Solar Amperage	40A
Alternator Input Power	30A
12V DC Accessory	12V regulated DC output up to 160W
Auto Gen Start (AGS)	Supports generators with two-wire auto-start. Automatically starts the generator at ~15% battery and stops it at ~85%.
Grid Charging Power	1,400W
Bypass Power	1,200W
Sine Wave Output	Pure Sine Wave

Category	Power Station Pro 5000
Output Voltage Threshold	± 5%
Dimensions	25.6 × 20 × 11.8 in. L x W x H
Weight	132 lb. 59.8 kg
Operating Temperature	–22°F to 122°F –30 °C to 50 °C
Storage Temperature	–22°F to 122°F –30 °C to 50 °C
Recharge Time Grid	4.5 hours
Recharge Time Solar	1 hour with maximum solar power
Idle Power Consumption	70W
Humidity Range	5 % – 95 %
Vibration Resistance	IEC 60068-2-64
Shock Resistance	IEC 60068-2-31
Output Efficiency	> 90 %
Certifications/Inspections	CE, UL9540A, UL1642, ESA SPE-1000, UL1741
Safety Protections	Solar reverse polarity protection, overload protection, short circuit protection, surge protection, over-temp shut-off
Origin	Assembled in North America



Attention: Please note it is the customer's obligation to check local electrical requirements and certification requirements of all Battle Born/Hybrid Power Solutions purchased equipment to ensure they meet the local electrical code. Additional components such as AFCI protection, Conduit Caps, and fusing/breakers may be required.

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Inputs & Outputs



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.

How Long Will it Power My Device?

Home	Device	Watts	Power Station Pro 5000
	32" LCD TV	50	64 hours
	Smartphone	10 wh	500 charges
	Laptop	50 wh	100 charges
	Refrigerator (Small)	30	160 hours
	Refrigerator (Large)	60	120 hours
	Light (High EFF)	5	140 hours
Industrial	Device	Watts	Power Station Pro 5000
	Hammer Drill	700	7 hours*
	LED Contractor Lights x2	100	50 hours
	Hand Grinder	450	11 hours*
	HILTI TE 3000-AVR Jackhammer	1,350	3.8 hours*
	HILTI DD200 Diamond Core Drill	1,800	2.8 hours*
	Husqvarna K3000 Wet Electric Saw	1,500	3.3 hours*

*Trigger time: time spent operating and using the equipment.

Run times do not include standby power used by the power station to keep it at the ready.

LiFePO4: One of the safest lithium chemistries (less prone to dangerous conditions such as fire or thermal runaway).

Manufactured and Supported by Hybrid Power Solutions

Battle Born Industrial Grade Power Stations are manufactured and supported by Hybrid Power Solutions in North America. For Technical Support specific to this product line, please contact: info@hybridps.ca | +1 (866) 549-2743

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