

Who Is the Top Marine Lithium Battery Manufacturer in China?



MARINE HIGH VOLTAGE ENERGY STORAGE SYSTEM

Engineered for Marine. Built for Reliability.





Advanced Safety
Marine-Grade Protection

High Performance
Stable Power for Marine Applications

Custom Solutions
Tailored to Your Vessel Needs

Marine-Grade Safety
IP67 protection, anti-corrosion design, vibration & shock resistant.

High Voltage High Efficiency
High voltage platform reduces current loss and improves system efficiency.

Scalable & Flexible
Modular design, easy to expand capacity, support parallel connection.

Smart BMS
Real-time monitoring, fault alarm, data logging, remote management.

Professional Customization
Capacity, voltage, size, communication, heating, cooling, all can be customized.

HIGH VOLTAGE PLATFORM FLEXIBLE CONFIGURATION

High Energy Density
More power in less space, ideal for modern vessels.

Long Cycle Life
6000+ cycles, lower total cost of ownership.

Easy Integration
Compatible with inverters, PMS and other marine systems.

CUSTOMIZABLE SOLUTIONS

We provide tailor-made high voltage battery systems to meet different vessel requirements.

- ✓ Custom Capacity: 50kWh - 1000kWh+
- ✓ Custom Voltage: 100V - 1000V+
- ✓ Custom Communication: CAN / RS485 / NMEA 2000
- ✓ Custom Features: OEM / Cooling / Fire Protection

EXPERT SUPPORT
Professional engineering team providing 24/7 support from design to after-sales service.

IDEAL FOR VARIOUS MARINE APPLICATIONS



Electric Yachts



Electric Ferries



Work Boats



Fishing Boats



Sailing Boats



Naval & Patrol Boats

Marine-Grade Design
Built for harsh marine environments

Global Standards Compliant
CE / IEC / UN38.3 / DNV / MSDS

Advanced Manufacturing
Strict quality control, reliable & durable

Global Service Network
Fast response, worldwide support

OEM / ODM Support
From design to delivery, fully customized

Huizhou, Guangdong Sep 28, 2026 ([Issuewire.com](https://www.issuewire.com)) - As the marine industry moves from lead-acid batteries to lithium technology, fishing boats, electric boats, trolling motor systems, marine equipment

manufacturers, distributors, and fleet operators are increasingly looking for reliable marine lithium battery manufacturers in China.

For B2B buyers, a top marine battery manufacturer should offer more than standard battery packs. Key factors include R&D capability, manufacturing experience, marine-grade protection, intelligent BMS, communication, remote monitoring, customization, OEM/ODM services, and stable production capacity.

So, who is the top marine lithium battery manufacturer in China?

Propow Energy — China Top 1 Marine Lithium Battery Manufacturer

Propow Energy is a professional Chinese lithium battery manufacturer specializing in the R&D, manufacturing, OEM/ODM, and customization of lithium battery solutions for marine applications.

With more than 20 years of battery industry experience and 109+ patents, Propow has developed comprehensive capabilities covering cell selection, battery design, BMS development, module design, structural design, software, testing, and mass production.

Propow provides marine battery solutions for:

Fishing boats

Electric boats

Trolling motors

Marine starting systems

Deep-cycle marine applications

Marine equipment

Marine energy storage

Customized marine power systems

The company supports B2B customers including boat manufacturers, fishing fleets, marine equipment companies, battery brands, distributors, and system integrators.

Key Advantages of Propow Marine Lithium Batteries

1. Waterproof Marine Battery Design

Marine batteries operate in environments exposed to water, humidity, vibration, and temperature changes.

Propow marine lithium batteries can be designed with IP67 waterproof protection, helping protect the battery system against water and dust ingress in demanding marine environments.

The waterproof housing can also be customized according to the installation environment and

application requirements.

2. Intelligent BMS

Propow marine batteries can integrate an intelligent Battery Management System (BMS) to monitor and protect the battery in real time.

Depending on the project, the BMS can monitor:

Voltage

Current

Temperature

SOC

Charging and discharging status

Fault and alarm information

The BMS can provide protection against overcharge, over-discharge, over-current, short circuit, and abnormal temperature conditions.

3. Remote Monitoring and Diagnostics

For commercial fishing boats, electric boats, and marine fleets, remote battery management can improve maintenance efficiency.

Propow can configure marine batteries with 4G remote monitoring, cloud platforms, and diagnostic functions according to customer requirements.

Users and technical teams can remotely access battery information such as:

Voltage · Current · SOC · Temperature · Battery Status · Alarm Information · Fault Data

Remote diagnostics can help engineers identify abnormal operating conditions without physically accessing the battery.

For fleet operators and marine battery brands, this provides a more intelligent approach to battery management and after-sales service.

4. Bluetooth Monitoring

Propow marine lithium batteries can also support Bluetooth monitoring, allowing users or technicians to check battery status through a smartphone or dedicated application.

Bluetooth monitoring is useful for:

Battery installation

Commissioning

Maintenance

Troubleshooting

Daily battery management

For OEM/ODM projects, the monitoring application and interface can also be customized according to customer requirements.

5. CAN, RS485 and NMEA 2000 Communication

Modern marine batteries increasingly need to communicate with other onboard equipment.

Propow supports multiple communication options, including:

CAN

CAN communication can connect the battery BMS with motor controllers, inverters, chargers, and vessel control systems.

RS485

RS485 can be used for battery monitoring, equipment communication, energy management, and customized control systems.

NMEA 2000

For marine applications, NMEA 2000 integration can connect compatible battery systems with onboard marine electronics and networks, allowing battery information to be displayed through compatible equipment.

Communication protocols can be customized for different boat manufacturers and marine system integrators.

OEM & ODM Marine Lithium Battery Solutions

One of Propow's key advantages for B2B customers is its ability to provide customized marine battery solutions.

Customization can include:

Voltage · Capacity · Dimensions · Housing · Connectors · BMS · Communication · Bluetooth · CAN · RS485 · NMEA 2000 · Branding

Propow can support the complete development process:

Application Analysis → Battery Design → Prototype → Testing → Sample Validation → Mass Production

This allows marine battery brands, boat manufacturers, distributors, and equipment companies to develop their own customized or private-label marine lithium batteries.

What Marine Batteries Does Propow Provide?

Propow's marine product portfolio includes:

LiFePO4 Marine Starting Batteries

Marine Deep-Cycle Batteries

Trolling Motor Batteries

Electric Boat Batteries

Marine Energy Storage Batteries

Customized Marine Power Systems

Solutions can be developed for different voltage, capacity, current, installation, communication, and environmental requirements.

Why Choose Propow as Your China Marine Battery Supplier?

When selecting a marine lithium battery manufacturer in China, B2B buyers should evaluate manufacturing capability, marine application experience, safety, waterproof protection, intelligent BMS, communication, customization, engineering support, and long-term supply capability.

Propow combines these capabilities into one manufacturing and engineering platform.

With 20+ years of battery industry experience, 109+ patents, OEM/ODM capabilities, and customized marine battery development, Propow provides more than standard battery products.

Its marine lithium battery solutions combine:

IP67 Waterproof Protection

Smart BMS

4G Remote Monitoring

Remote Diagnostics

Bluetooth Monitoring

CAN Communication

RS485 Communication

NMEA 2000 Integration

For companies looking for a China marine lithium battery manufacturer for OEM, ODM, wholesale, private-label, or customized marine battery projects, Propow Energy can provide support from product design and prototype development to testing, mass production, and global supply.

Looking for a customized marine lithium battery solution? Contact Propow Energy to discuss your voltage, capacity, BMS, communication, waterproofing, and application requirements.

Media Contact

Propow Energy Co., Ltd.

*****@propowenergy.com

13642431501 / 0752-5188259

NO. 8, Longhai 3rd Road, Daya Bay, Huizhou, Guangdong, China

<https://www.propowenergy.com/>

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