



BLOOH SOLUTION
LTD.

LITHIUM BATTERIES

HIGH-PERFORMANCE BATTERY SYSTEMS
FOR MOBILITY, BACKUP POWER, AND
INDUSTRIAL ENERGY STORAGE.

ADVANCED LITHIUM BATTERIES

Advanced lithium battery solutions have become increasingly important in today's world due to their many advantages over conventional battery technologies:

- Lithium-ion batteries are ideal for various applications due to their advantages over conventional battery technologies, including longer lifespan, faster charging times, and higher energy density.
- Lithium-ion batteries are environmentally friendly, emitting less CO₂, being less toxic, and easier to recycle than conventional batteries.
- Lithium-ion batteries are cost-effective, have a longer lifespan, and require less maintenance.
- Lithium-ion batteries are popular in the fields of consumer electronics, automotive, aerospace, and renewable energy.



BS - LITHIUM BATTERIES

Our lithium battery products are characterized by essential features such as high temperature tolerance, extended durability, easy replaceability, and advanced safety protocols. These characteristics ensure optimal performance and reliability under various conditions.

We are also working on projects for lithium iron phosphate batteries, which offer many advantages over other modern lithium batteries and lead-acid batteries. These include better charging and discharging efficiency, deep cycle capability, and longer lifespan with consistent performance.

Overall, we believe that our advanced lithium battery solutions drive sustainable growth and innovation, and provide efficient, cost-effective, and environmentally friendly sources of energy for a variety of applications.

BS-LITHIUM BATTERIES

FOR ELECTRIC VEHICLES

Ideal for use in electric vehicles, our lithium iron phosphate batteries offer longer life and consistent performance with deep discharge capability. They are designed for high PSOC tolerance to ensure reliable and efficient performance under all conditions. Thanks to their stable chemistry and low risk of thermal runaway, our batteries offer a high level of safety. They are also lighter, which can improve the overall efficiency of electric vehicles and reduce energy consumption.



Technical specifications

- Nominal voltage: 3.2V per cell
- Capacity range: 20Ah to 400Ah
- Energy density: 80-110 Wh/kg
- Charging temperature range: 0°C to 45°C
- Discharging temperature range: -20°C to 60°C
- Cycle life: 2,000 to 5,000 cycles (depending on depth of discharge)
- Maximum charging current: up to 1C (depending on model)
- Maximum discharging current: up to 3C (depending on model)
- Self-discharge rate: less than 2% per month
- Weight: approximately 40% lighter than lead-acid batteries with equivalent capacity
- Safety features: stable chemistry with low risk of thermal runaway, built-in protection against over-charging, overdischarging, and short circuits.

Specifications may vary depending on the model and capacity of the battery. Our batteries are designed and manufactured to the highest quality standards to ensure reliable and consistent performance.

BS-LITHIUM BATTERIES

FOR MOBILE DEVICES

Our lithium-ion batteries for mobile devices are powerful, durable, and fast-charging. They have a high energy density, are available in various standard sizes, and come with advanced safety features. With a typical capacity of 3,000-3,500 mAh and a cycle life of 500-1,000 cycles, they provide reliable and sustainable power for your digital life.

In summary, our lithium-ion batteries for mobile devices offer a powerful and eco-friendly solution for powering your digital life with reliable performance and advanced safety features.



FOR MEDICAL EQUIPMENT

Our lithium-ion batteries for medical devices are precision-engineered and undergo high-quality control to ensure consistent performance and long-lasting life of several years. These batteries are used in critical medical devices such as pacemakers, insulin pumps, and other important devices. They have a low self-discharge rate, so they can maintain their charge even with extended periods of non-use. These medical batteries meet or exceed industry standards for safety and reliability and feature advanced safety functions such as protection against overcharging and over-discharging.



They operate within a stable temperature range, ensuring reliable performance even under extreme conditions. These batteries provide a safe and reliable power source for critical medical equipment, giving healthcare professionals and patients the peace of mind they need.

BS-LITHIUM BATTERIES

FOR ELECTRIC TOOLS

Our lithium-ion batteries for power tools are lightweight, compact, and offer consistent performance. They are used in various power tools such as drills, saws, and other devices. These batteries are characterized by their fast charging time, allowing users to work for longer periods without interruption. Our lithium-ion batteries for power tools have a high energy density, which allows them to store more energy in a smaller size. They also have a low self-discharge rate and retain their charge when not in use. For user safety, they are equipped with over-discharge, overcharge, and short circuit protection.



FOR SOLAR APPLICATIONS

Our lithium-ion batteries for solar applications are designed with high energy density and a longer lifespan of several years. They can efficiently store energy from solar cells and deliver consistent performance to ensure a reliable and efficient power source. Compared to conventional lead-acid batteries, our lithium-ion batteries offer faster charging time, allowing users to work longer without interruption. Additionally, these batteries are lightweight and compact, making them easy to install and transport. Our lithium-ion batteries are also designed with advanced safety features such as overcharging and over-discharging protection to avoid potential hazards.

BS-LITHIUM BATTERIES

FOR ELECTRIC BOATS

Our lithium-ion batteries for marine applications provide a reliable and efficient power source for electric boats and other marine vehicles. They have a longer lifespan and shorter charging times than traditional lead-acid batteries, making them environmentally friendly and cost-effective. Additionally, our batteries are lightweight, compact, and equipped with advanced safety features for reliable and safe performance.



Technical specifications

High energy density:

Our lithium-ion batteries have a high energy density, which allows them to store more energy in a smaller and lighter package. This is particularly useful for electric motorboats that have limited space for battery storage.

Long lifespan:

Compared to lead-acid batteries, our batteries have a longer lifespan, which is particularly important for electric motorboats that rely solely on battery power for propulsion. Our batteries typically last hundreds or even thousands of cycles, depending on usage and maintenance, reducing the need for frequent battery replacement.

Fast charging time:

Our batteries have a faster charging time compared to lead-acid batteries, which is particularly important for electric motorboats that need to be charged quickly between trips. This allows boaters to spend less time waiting for their batteries to charge and more time enjoying the water.

Lightweight and compact:

Our batteries are lightweight and compact, making installation in electric motorboats of any size easier. This reduces the overall weight of the boat and allows for greater flexibility in battery placement.

DRIVING INNOVATION FORWARD!



**FOR MORE INFORMATION
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