

ENEROC New Energy Technology Co., Ltd

Phone:0571-28023619

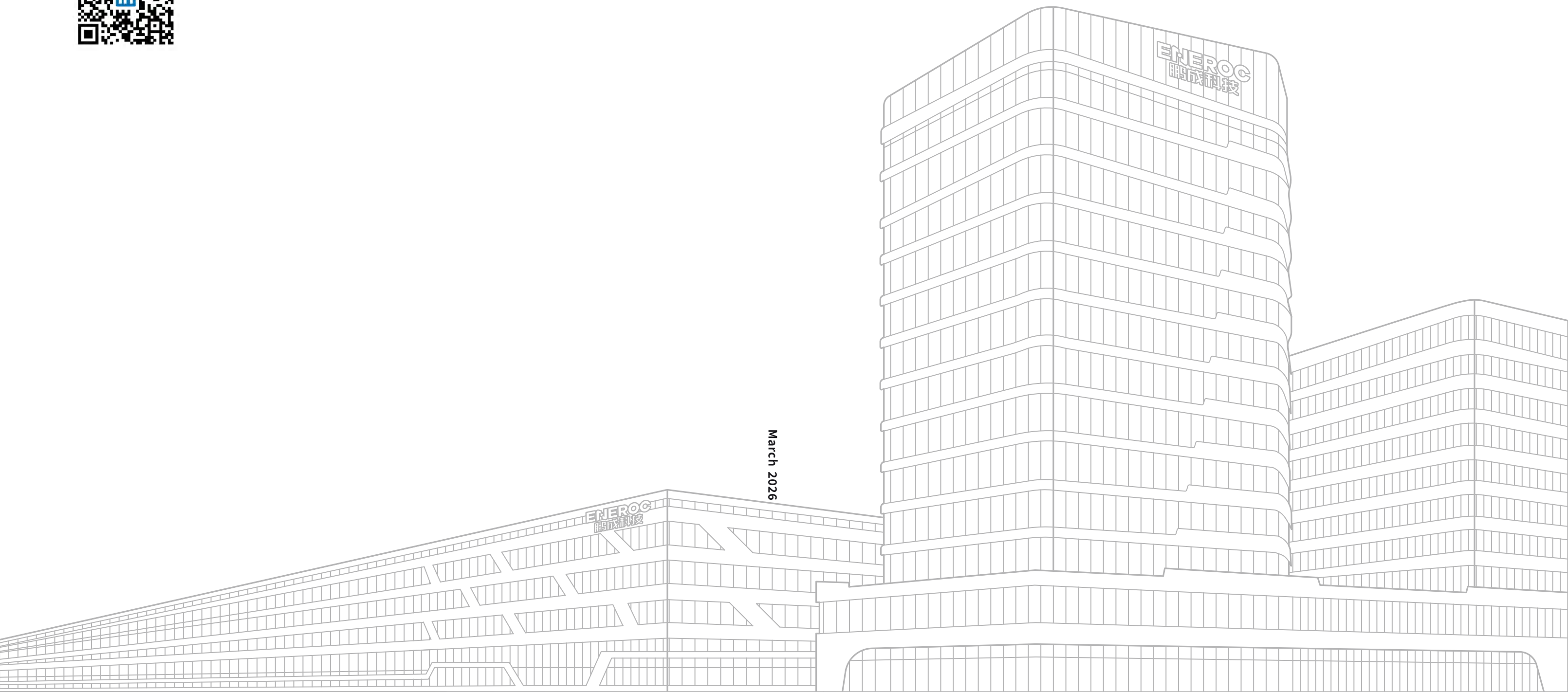
Website:www.enerocbattery.com

Address: No. 308, Golf Road, Fuyang District, Hangzhou City, China



INDUSTRIAL LITHIUM BATTERIES

Company Introduction



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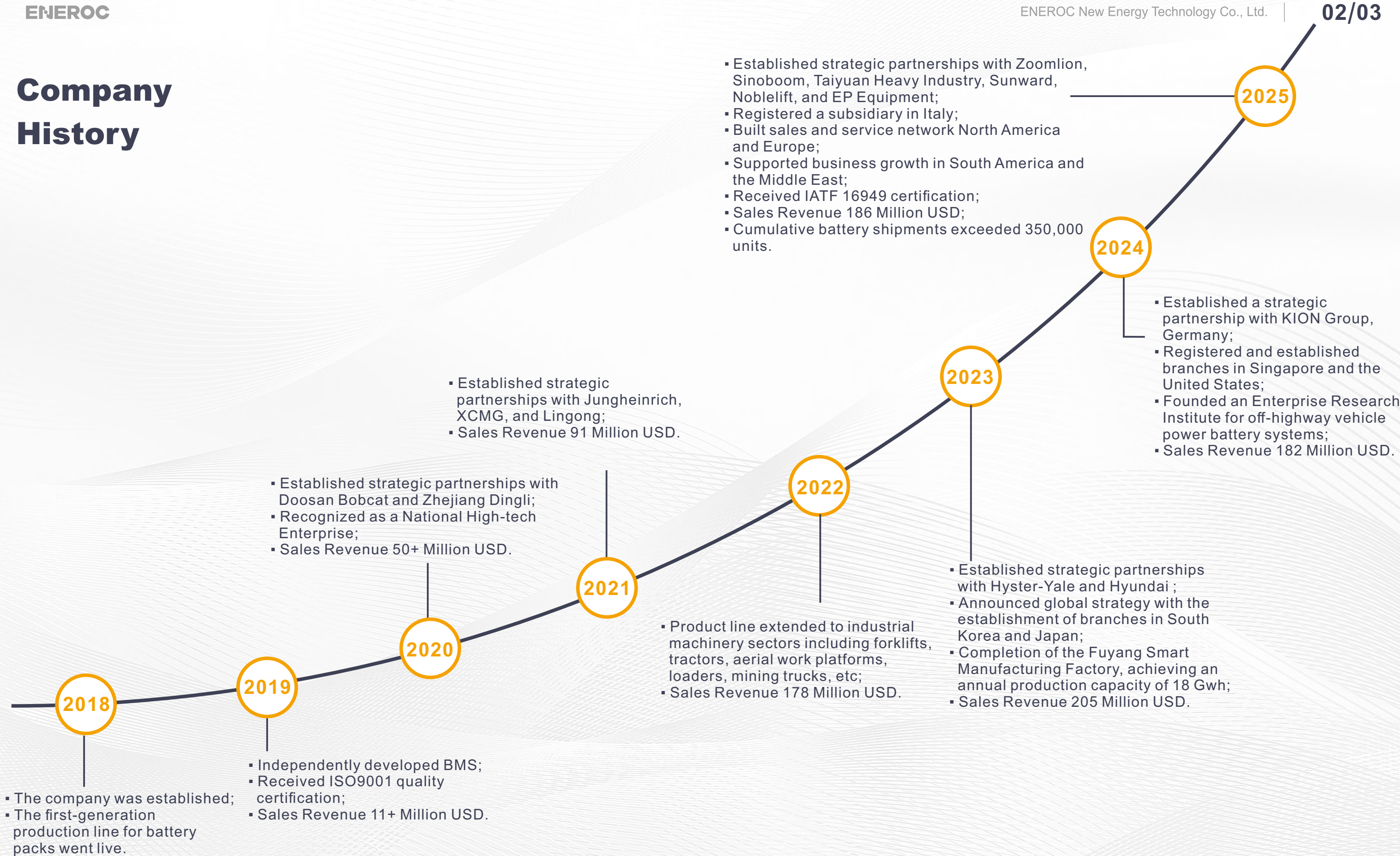
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COMPANY
PROFILE

ENEROC New Energy Technology Co., Ltd. was founded in July 2018, Hangzhou. Specializing in the R&D, production and sales of motive power battery systems for off-highway vehicles, energy storage systems (ESS), construction machinery batteries, battery management systems (BMS), electronic controls, chargers and other products. As a global leader in lithium battery solutions for off-highway vehicles, we are committed to advancing electrification and providing advanced, reliable and efficient power solutions for industrial vehicles.

Company History



Smart Factory

The factory has an area of 28,5K m², of which the production and testing area is 1,3K m², the battery cell automated warehouse area is 1,4K m², the storage area is 4,2K m², and the R&D and testing laboratory is 2K m².

- 4 battery pack production lines
 - Two testing workshops, 5,700 cell testing channels
 - Pack production capacity is 700 units/day
- 4 module production lines
 - 50 AGV handling equipment, 4 laser welding production lines, airtight equipment, etc.
 - Module production capacity (3520 units/day)



Construction Investment
1 Billion RMB



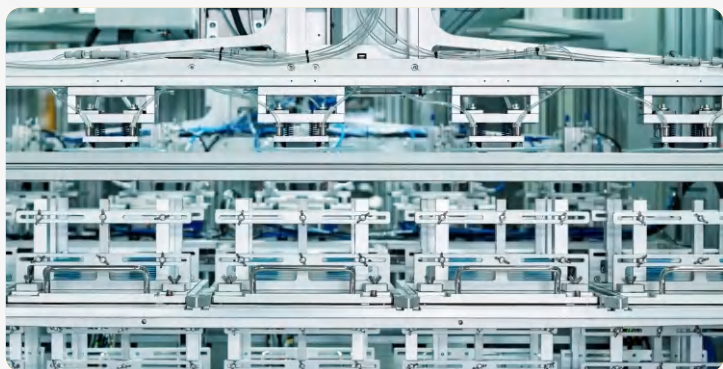
Started Operations in
2024



Building Area
74,000 m²



Annual Production Capacity
18G Wh



Product Certification and Testing



- SGS certified laboratory
- 2000m² laboratory area
- 48 testing devices

- Testing capabilities: 42 testing stations, covering electrical performance, mechanical reliability, environmental performance, and functional safety.
- Testing stages: comprehensive testing of battery cells, packs, and system integration.



Performance Laboratory



Salt Spray Laboratory



Rain Test Laboratory

High Quality Battery Cells

CATL and EVE Energy are global leading cell suppliers providing crucial support for ENEROC's products.

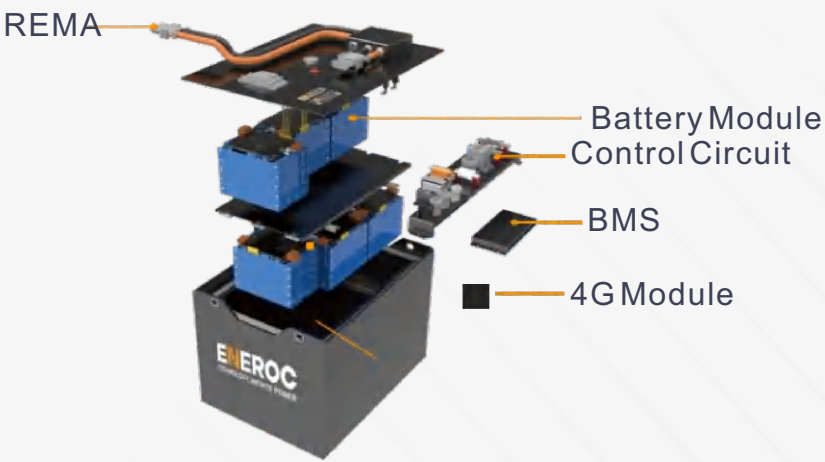


CATL Specification

No.	Voltage(V)	BC3(Ah)	BC5 (Ah)
1	3.22		96
2	3.22		125
3	3.22	173	160
4	3.22	228	200
5	3.22	302	268
6	3.22		324

* BC3: 3rd Generation Battery cells
BC5: 5th Generation Battery cells

Self-developed BMS & 4G Module



ENEROC BMS

- ① Daisy Chain Communication
 - ② CAN Communication
 - ③ Cell Balancing Technology
 - ④ Charge & Discharge Control Thermal Management
- 
- ⑤ Precise Parameter Collection
 - ⑥ Energy Management
 - ⑦ SOXAlgorithm

4G Module

- ① **Easy Access to Data:** the cloud platform can be accessed from a PC.
 - ② **Intelligent Monitor:** 4G module provides data on the battery status in real time.
 - ③ **Fault Localization:** when alarm is triggered, a faulty battery can be localized precisely.
 - ④ **Data Analysis:** performance data and error messages displayed on a battery screen in real-time.
 - ⑤ **Remote Upgrade:** 4G module allows remote BMS software upgrade
- 

01

Motive Battery Business Unit

- Forklift
- Aerial work platform
- Golf cart
- Mining truck and loading truck



Forklift Lithium Battery

24V to 750V battery systems, compatible with various types of forklifts.



Widely used in various industries such as logistics, chemical industry, food and beverage, retail and manufacturing.

ENEROC provides lithium battery solutions to internationally renowned forklift manufacturers such as Linde, Jungheinrich, Hyster, Toyota, Crown and Mitsubishi.

Aerial Working Platform (AWP) Lithium Battery

24V to 360V battery system, suitable for different types of aerial work platforms, such as scissor lifts and boom lifts.



Widely used in various applications such as high-altitude firefighting, factory ceiling installation and construction.

As a global leader in off-highway lithium-ion battery solutions, ENEROC provides lithium battery solutions to manufacturers of aerial work platforms such as Dingli, XCMG, Zoomlion, Sany and LGMG.

Golf Cart Lithium Battery

The 24V to 80V battery systems are compatible with different types of golf carts.



Widely used in various settings such as resorts, hotels, scenic spots and golf courses.

ENEROC, as a global leader in off-highway lithium-ion battery solutions, provides lithium battery components to internationally renowned golf cart manufacturers such as Clubcar and EZGO. It also offers aftermarket lead-acid to lithium battery conversion solutions.

Mining truck, Loader Lithium Battery

The 24V to 360V lithium battery systems are compatible with different types of mining trucks and loaders.



Widely used in various scenarios such as mining and engineering construction

ENEROC, as a global leader in off-highway lithium-ion battery solutions, Provides lithium battery components and aftermarket solutions for converting gasoline vehicles to electric vehicles to clients such as Dingli, XCMG, Zoomlion, Sany and LGMG.

02

Energy Storage Business Unit

- Application Fields
- Product Introduction



ENEROC Solutions for Multiple ESS Applications

The Energy Storage business unit focuses on energy storage solutions for new power systems, covering six core scenarios: windpower distribution and storage, thermal power and energy storage joint commissioning, grid-side industrial and commercial energy storage, microgrid systems and residential energy storage, driving efficiency of low-carbon energy generation.



Wind Generation + ESS



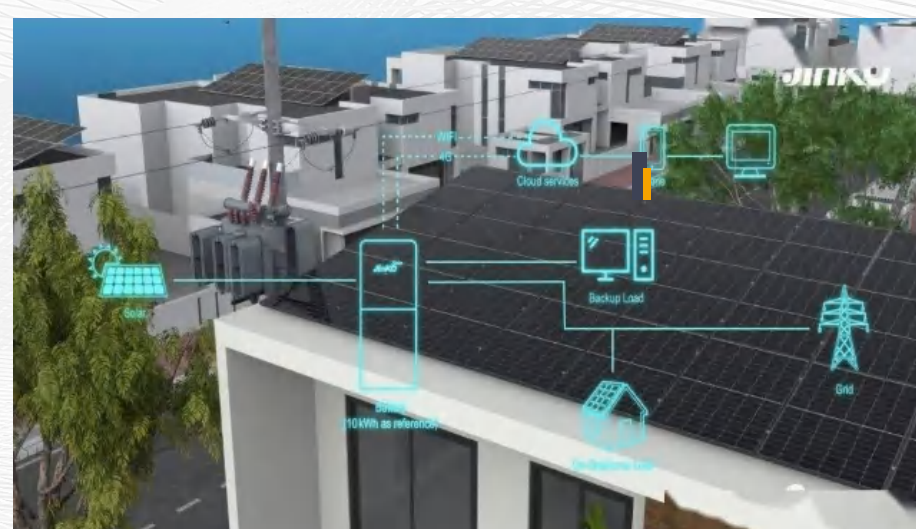
Thermal Power Generation + ESS



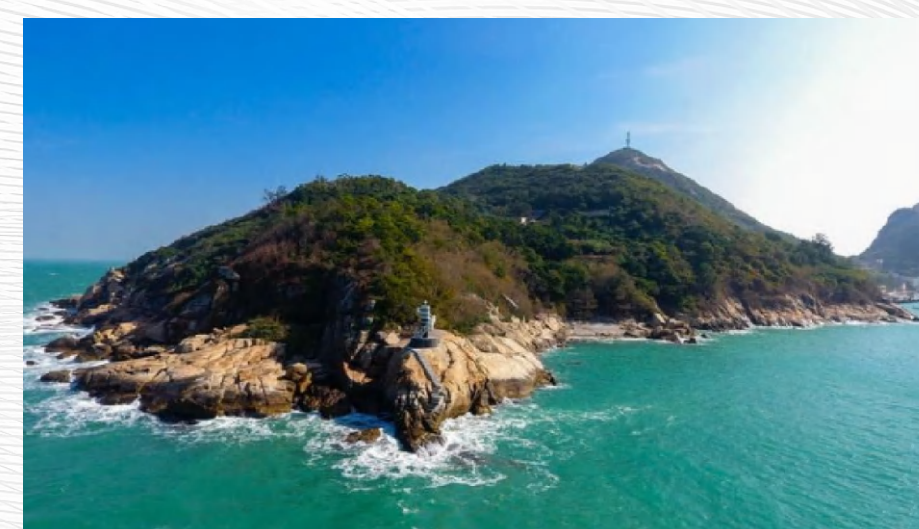
ESS Solution for Macro Grid



User-side ESS Solution



ESS Solution for Micro Grid



Residential ESS Solution

Energy Storage Products

Our comprehensive energy storage product portfolio covers a full spectrum of applications. We launch three major product lines: containerized energy storage systems, integrated energy storage cabinets and residential energy storage solutions. From small-scale residential storage to large-scale industrial and commercial storage, our full product range adapts to diverse power and capacity requirements. Centered on high safety, long cycle life and high compatibility, we provide one-stop energy storage solutions for households, businesses and industrial parks.

Liquid Cooling ESS Battery Container 2.5MW/5MWh



Product description: standardized design, lithium battery system, battery management system, fire protection system, thermal management system and power distribution system; integrated within a 20-foot container. Liquid cooling technology enhances product performance, energy density and cycle life, providing users with a safe, reliable and long-life energy storage solution. Flexible configuration can meet the needs of different applications.

Applications: suitable for generation-side energy storage, grid-side energy storage, shared energy storage and large-scale user-side energy storage.

Liquid-cooled energy storage integrated cabinet 125kW/261kWh

Product description: the lithium battery system, BMS, fire protection system, thermal management system, and power distribution system are integrated into a single cabinet. Liquid cooling enhances product performance, and extends cycle life, providing users with a highly safe, highly reliable and long-life energy storage solution.

Applications: small and medium-sized user-side energy storage, small industrial and commercial energy storage and microgrid system energy storage.



Household ESS 10.2~25.6kWh

Product description: a residential high-voltage energy storage battery system features standardized design, with 2.56kWh modules. By stacking these modules, it can meet the energy needs of different users, ranging from 10.2 to 25.6kWh. It also supports parallel connection of multiple systems, allowing flexible configuration to meet the requirements of various applications.

Applications: residential energy storage, small industrial and commercial energy storage and office building energy storage.



03

Construction Machinery Business Unit

- Oil-to-Electric Conversion
- Mobile Power Supply Vehicle
- Light Vehicle Lithium Battery
- Truck Parking Lithium Battery





Construction Machinery Converted From Oil to Electricity

From heavy-duty mining to port logistics from warehouse stacking to infrastructure construction, our oil-to-electric conversion solutions cover all categories of construction equipment, including mining trucks loaders, excavators, forklifts and bulldozers.



Loader



Mining Truck



Forklift



AWP



Excavator



Port Tractor



Reach stacker



Stacker

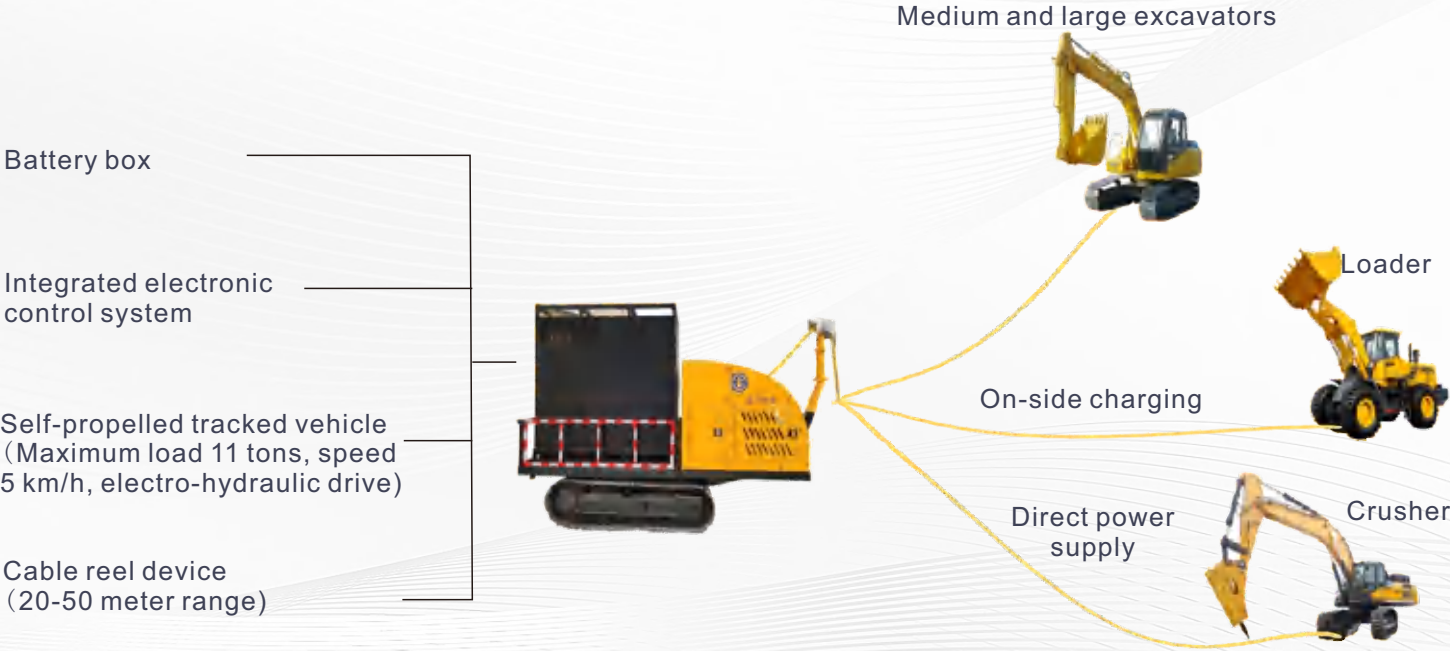


Tanker Truck



Bulldozer

Mobile Power Supply Vehicle



Portable power supply

The mobile power supply vehicle series is designed for all-scenario power needs, providing flexible and efficient energy solutions. The product line includes three models: MBB500, MBB200 and MBB50, respectively adapted to large-scale industrial, medium-scale operations and emergency power replenishment scenarios, meeting diverse needs in mines, construction sites, farms and disaster relief. The entire series supports multi-mode power output (AC/DC), is compatible with various electric machinery and charging equipment and integrates energy storage functions and peak-valley electricity price adjustment capabilities. Equipped with a highly adaptable chassis and intelligent power management system, it can stably supply power in complex terrain and off-grid environments, promoting the replacement of traditional diesel power with **electric** and achieving the dual goals of environmental benefits and cost optimization.

Case study - mining



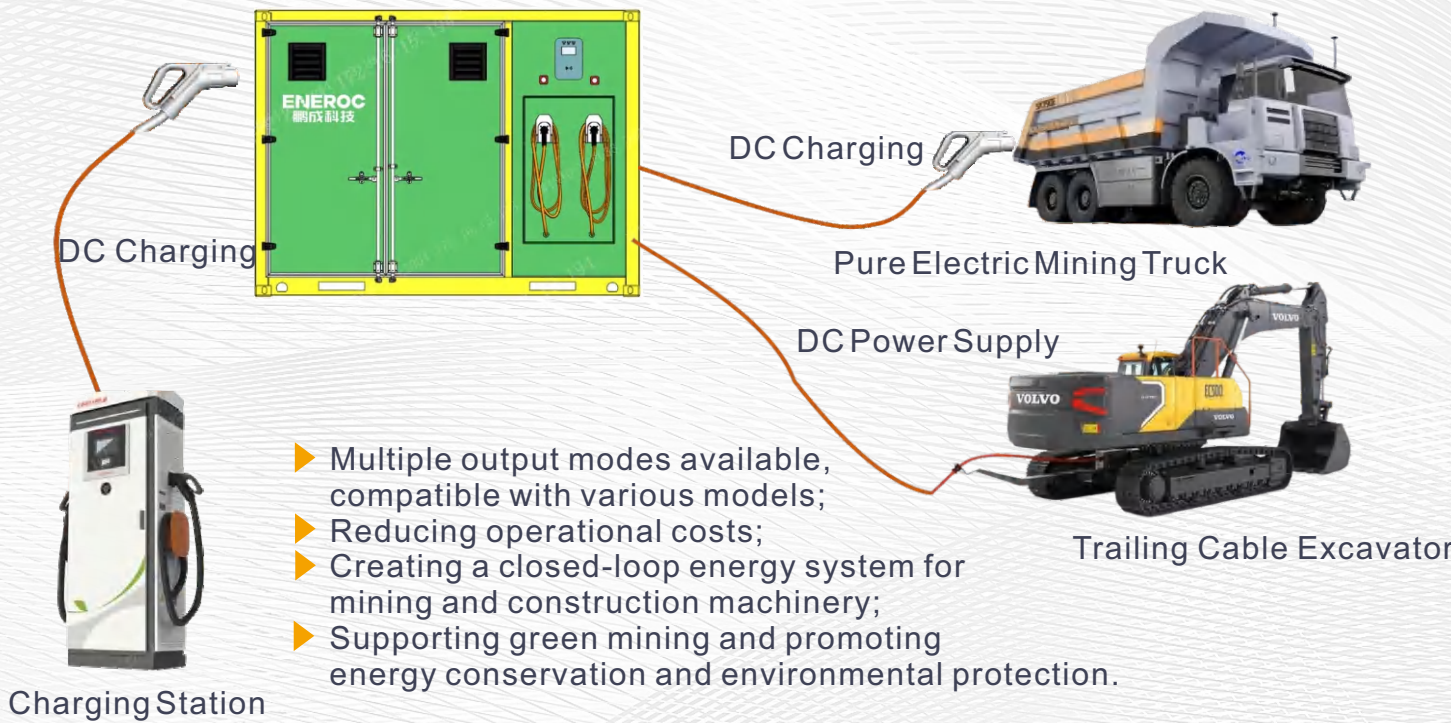
Climbing slopes



Mountain climbing follow-up operation



Automatic cable unwinding and winding



Light Vehicle Lithium Battery

Products in two voltage categories: 64.4V and 77.28V, with capacities ranging from 45Ah to 173Ah, cover the requirements of 60V and 72V light vehicles, including two-wheelers, three-wheelers, light four-wheelers and electric motorcycles.



Leisure tricycle



Electric motorcycles



Three-wheeled covered wagon



Four-wheeled covered wagon



Top safety
Utilizing CATL's automotive-grade lithium iron phosphate battery cells, these batteries are non-flammable and non-explosive at high temperatures.



Ultra-long lifespan
With a cycle life exceeding 2000 cycles, it significantly reduces total lifecycle costs offering long-term benefits from a one-time investment.



Low temperature adaptability
It provides stable discharge at -20°C and can be safely charged at -15C, easily coping with harsh working conditions.



Five-year warranty
Industry-leading 5-year extended warranty.



Truck Parking Lithium Battery

Battery capacity: 3kWh to 8kWh. Integrated start-stop and parking lithium battery system, which can replace most 24V lead-acid batteries used in light-duty and heavy-duty trucks.

**One-Touch Start
Intelligent Power Protection**



Powerful Performance
Supports up to 2000A instant discharge current, effortlessly starting various heavy-duty trucks.



Ultra-long lifespan
Intelligent power-saving strategies ensure reliable vehicle start even under extreme weather conditions.



Connectivity
Integrated 4G and Bluetooth communication modules enable real-time monitoring and efficient intelligent management of vehicle systems.





Service and Support

Our Service Philosophy

ENEROC offers world-wide service, covering the whole lifecycle of batteries, from overall solution design to on-site operation, maintenance and system upgrades. It means you get the right solutions with minimum downtime, maximum system efficiency and availability.

Service & Support



Technical Hotline



Training & Certification



Remote Technical Support



Onsite Repair



System Maintenance & Upgrades



Spare Parts Service

Continuous Service Improvement

Customer-centric is our core value and we make every effort to improve our service excellence. Driven by customer experience, we have established a complete closed-loop service protocols, making your voice heard, acted on and reported back.

Global Presence



178 After-sales service network
Sharing CATL's global after-sales service network

30+ Countries
ENEROC Technology's lithium-ion batteries are sold in more than 30 countries

 Sales and Service Center
2023 in Korea, Japan,
2024 in USA, Singapore
2025 in Italy