

Largest lithium ion battery manufacturers

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As the demand for EVs, renewable energy storage, and portable electronics continues to increase, the race to produce efficient, high-capacity batteries becomes more intense.

China is the undisputed leader in battery manufacturing, dominating the global production of essential battery materials such as lithium, cobalt, and nickel. Chinese companies supply 80% of the world's battery cells and control nearly 60% of the EV battery market. [4]Table of Contents

ATL manufactures lithium-ion batteries for consumer electronics, particularly smartphones and tablets. It excels in producing compact, lightweight batteries that deliver high performance.

A significant portion of ATL's revenue comes from designing and customizing batteries to meet the specific needs of its clients. The company collaborates closely with brands that manufacture smartphones, tablets, notebooks, drones, and other OEMs.

In 2023, ATL partnered with AM Batteries and Group14 Technologies. The partnership with AM Batteries focuses on developing solvent-free electrode manufacturing technology, while the collaboration with Group14 Technologies aims to integrate advanced silicon battery technology to enhance ATL's battery performance. [5]12. Envision AESC

This is a joint venture between the Envision Group, a Chinese green technology firm, and Nissan Motor Company. It has played a crucial role in the development and mass production of EV batteries, and it continues to innovate battery technology to support the transition to sustainable energy.

Envision AESC's advanced technology powers more than 1 million EVs and provides over 15 GWh of installed capacity for battery energy systems in 60+ countries. Its major customers include Nissan, Renault, and Daimler. [6]In 2024, AESC announced plans to expand its EV battery production in South Carolina with a \$1.5 billion investment, which will create 1,080 new jobs. This builds on a previous expansion announced in 2023, bringing the total investment to \$3.12 billion and supporting 2,700 jobs in the area.

Gotion produces batteries for electric vehicles, which make up a significant portion of its revenue, and key battery materials like cathodes and anodes that are crucial for battery performance. It also manufactures batteries for energy storage applications, catering to both residential and commercial sectors.

The company has applied for 8,654 patents, including 4,379 utility model patents, 3,795 invention patents, and 480 design patents. It operates several R&D centers across China, Japan, Germany, and the USA, focusing on enhancing battery energy density, safety, and longevity.

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Their revenue is growing rapidly. In 2023, they generated \$4.44 billion in operating revenue, a 37.11% increase from 2022. Operating profit surged to \$136.88 million, reflecting an impressive 390.92% year-on-year growth. They plan to expand the plant's capacity to 100 GWh, with a total investment of \$6.5 billion. [7][8]10. SVOLT

SVOLT is a rapidly growing Chinese battery manufacturer focused primarily on lithium-ion batteries for electric vehicles and energy storage systems. It is a pioneer in the development of cobalt-free lithium-ion batteries, which are both cost-effective and environmentally friendly.

The company is actively researching and developing solid-state battery technology, which promises improved safety, higher energy density, and faster charging times compared to conventional lithium-ion batteries.

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