

Global Silicon-based Anode for Lithium Battery Market Growth (Status and Outlook) 2024-2030

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Abstracts

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According to this study, the global Silicon-based Anode for Lithium Battery market size will reach US\$ million by 2030.

China's policy on lithium-ion batteries mainly focuses on lithium-ion batteries. In 2015, in order to strengthen the management of lithium-ion battery industry and improve the development level of the industry, China formulated the Standard of Lithium-ion Battery Industry. the global sales of new energy vehicles reached 10.8 million units in 2022, with a year-on-year increase of 61.6%. In 2022, China new energy vehicle sales reached 6.8 million units, and the global share increased to 63.6%. In Q4 2022, sales penetration rate of China's new energy vehicle reached 27%, while the global average penetration rate was only 15%. Europe penetration was 19%, and North America penetration rate was only 6%. Lithium batteries will fully benefit from the high growth of downstream demand. According to the Ministry of Industry and Information Technology, China's lithium-ion battery production reached 750 GWh in 2022, up more than 130 percent year on year. Among them, the output of lithium energy storage battery exceeded 100 GWh, and the total output value of the industry exceeded 1.2 trillion yuan. The industrial application of lithium battery was also growing rapidly. In 2022, the loading capacity of new energy vehicle power battery was about 295 GWh, and the new energy vehicle power battery was about 295 GWh. According to our research, in 2022, the overall global lithium-ion battery shipments were 957GWh, a year-on-year increase of 70%. Global vehicle power battery (EV LIB) shipments were 684GWh, a year-on-year increase of 84%; Energy storage battery (ESS LIB) shipments were 159.3GWh, a year-on-year increase of 140%.

This report presents a comprehensive overview, market shares, and growth opportunities of Silicon-based Anode for Lithium Battery market by product type, application, key players and key regions and countries.

Segmentation by product type:

SiO/C

Si/C

Segmentation by Application:

Automotive

Consumer Electronics

Aviation

Energy

Medical Devices

Others

This report also splits the market by region:

United States

China

Europe

Other regions:

Japan

South Korea

Southeast Asia

Rest of world

The report also presents the market competition landscape and a corresponding detailed analysis of the major players in the market. The key players covered in this report:

Amprius Technologies

Enovix

Huawei

Enevate

Nanotek Instruments

Nexeon

LeydenJar Technologies

Targray Technology International

XG Sciences

Sila Nanotechnologies

Group14 Technologies

E-magy

NanoPow

NanoGraf Corporation

Sicona Battery Technology

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