

Global Solid-State Lithium Battery Market 2024 by Company, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G86689C653C4EN.html>

Date: June 2024

Pages: 112

Price: US\$ 3,480.00 (Single User License)

ID: G86689C653C4EN

Abstracts

According to our latest research, the global Solid-State Lithium Battery market size will reach USD million in 2030, growing at a CAGR of % over the analysis period.

A solid-state battery is a battery technology that uses solid electrodes and a solid electrolyte, instead of the liquid or polymer gel electrolytes found in lithium-ion or lithium polymer batteries.

The Solid-State Lithium Battery market report provides a detailed analysis of global market size, regional and country-level market size, segmentation market growth, market share, competitive Landscape, impact of domestic and global market players, value chain optimization, trade regulations, recent developments, opportunities analysis, strategic market growth analysis, product launches, area marketplace expanding, and technological innovations.

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%.

Market segmentation

Solid-State Lithium Battery market is split by Type and by Application. For the period 2024-2030, the growth among segments provide accurate calculations and forecasts for revenue by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type, covers

Polymer-Based Solid-State Lithium Battery

Solid-State Lithium Battery with Inorganic Solid Electrolytes

Market segment by Application, can be divided into

Consumer Electronics

Electric Vehicle

Aerospace

Others

Market segment by players, this report covers

BMW

Hyundai

Dyson

Apple

CATL

Bollor?

Toyota

Panasonic

Jiawei

Bosch

Quantum Scape

Iluka

Excellatron Solid State

Cymbet

Solid Power

Mitsui Kinzoku

Samsung

ProLogium

Front Edge Technology

Market segment by regions, regional analysis covers

North America

Europe

Asia-Pacific (China, Japan, South Korea, Rest of Asia-Pacific)

South America

Middle East & Africa

The content of the study subjects, includes a total of 8 chapters:

Chapter 1, to describe Solid-State Lithium Battery product scope, market overview, market opportunities, market driving force and market risks.

Chapter 2, to profile the top players of Solid-State Lithium Battery, with recent developments and future plans

Chapter 3, the Solid-State Lithium Battery competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4, to break the market size data at the region level, with key companies in the key region and Solid-State Lithium Battery market forecast, by regions, with revenue, from 2024 to 2030.

Chapter 5 and 6, to segment the market size by Type and application, with revenue and growth rate by Type, application, from 2024 to 2030.

Chapter 7 and 8, to describe Solid-State Lithium Battery research findings and conclusion, appendix and data source.

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