

Global Solid State Battery Market 2022-2028

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Abstracts

Solid-state batteries employ a solid electrolyte, such as ceramics (oxides, sulfides, etc.), polymers and glass, which provides increased safety and higher energy densities. The benefits of the solid-state electrolytes (SSE) design are many, at least in theory, and include increased ionic conductivity, higher volumetric energy density, long cycle life and increased thermal, mechanical and electromechanical stability. The global solid state battery market is projected to rise by USD 952 million by 2028, according to a new report by Gen Consulting Company. It is anticipated to expand at a CAGR of 31.2 percent during the forecast period.

The report provides in-depth analysis and insights regarding the current global market scenario, latest trends and drivers into global solid state battery market. It offers an exclusive insight into various details such as market size, key trends, competitive landscape, growth rate and market segments. This study also provides an analysis of the impact of the COVID-19 crisis on the solid state battery industry.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the capacity, application, and region. The global market for solid state battery can be segmented by capacity: below 20mAh, 20mAh-500mAh, above 500mAh. Solid state battery market is further segmented by application: consumer electronics, EVs, industrial, medical and healthcare devices, others. Among these, the EVs segment was accounted for the highest revenue generator in 2021. Based on region, the solid state battery market is segmented into: Asia Pacific, Europe, North America, Rest of the World (RoW). North America captured the largest share of the market in 2021.

By capacity:

below 20mAh

20mAh-500mAh

above 500mAh

By application:

consumer electronics

EVs

industrial

medical and healthcare devices

others

By region:

Asia Pacific

Europe

North America

Rest of the World (RoW)

The report has also analysed the competitive landscape of the global solid state battery market with some of the key players being BrightVolt Inc., Cymbet Corporation, Excellatron Solid State, LLC, Ilika plc, QuantumScape Corporation, Robert Bosch GmbH, Samsung SDI Co., Ltd., Solid Power, Inc., Toyota Motor Corporation, among others.

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Historical & Forecast Period

Global Solid State Battery Market 2022-2028

This research report provides analysis for each segment from 2018 to 2028 considering 2021 to be the base year.

Scope of the Report

To analyze and forecast the market size of the global solid state battery market.

To classify and forecast the global solid state battery market based on capacity, application, region.

To identify drivers and challenges for the global solid state battery market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global solid state battery market.

To identify and analyze the profile of leading players operating in the global solid state battery market.

Why Choose This Report

Gain a reliable outlook of the global solid state battery market forecasts from 2022 to 2028 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

Print authentication provided for the single-user license.

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Cymbet Corporation

Excellatron Solid State, LLC

Ilika plc

QuantumScape Corporation

Robert Bosch GmbH

Samsung SDI Co., Ltd.

Solid Power, Inc.

Toyota Motor Corporation

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