

Solid State Battery Market - Industry Trends, Opportunities and Forecasts to 2023

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Abstracts

Global solid state battery market is projected to expand at a CAGR of 41% over the forecast period 2018 to 2023. Continuous advancements in consumer electronics, automotive and many other industries are increasing the demand for more compact and efficient power sources. Small size of these batteries along with their higher storage capacity, as compared to conventional batteries, is expected to increase the adoption of these batteries by various industry verticals over the projected period. Rising incidence of battery explosions are spurring the need for safer alternatives which will further fuel the adoption of these incombustible solid state batteries for a wide range of applications, thus augmenting their market growth. Increasing investments into research and development by major market players are improving the efficiency and safety of these batteries while improving their design. However, high cost of these batteries will restrain their market growth in some regions. North America, being the early adopter of advanced technologies, holds the largest share in the global solid state battery market. Asia Pacific is expected to show the highest growth rate over the forecast period owing to increasing investments by market players into this region.

Research Methodology

This section of the report presents detailed research methodology for calculating market size and forecasts, secondary data sources used and the primary inputs which were taken for data validation. This section also outlines various segments which have been covered as part of the report.

Market Dynamics

Comprehensive market dynamics has been analysed through key market driving

factors, challenges to growth and the opportunities which exist for vendors in the current scenario. This section of the report also provides supplier and industry outlook; key industry, global and regional regulations which are determining the market growth and a brief technological aspect of solid state battery. Complete industry analysis has also been covered through Porter's five forces model as a part of this report section.

Segmentation

Solid State battery market has been segmented on the basis of electrolyte, industry vertical, and geography as below:

By Electrolyte

Garnet

LiPON

Others

By Industry Vertical

Consumer Electronics

Automotive

Healthcare

Others

By Geography

Americas

North America

U.S.

Canada

Mexico

Others

South America

Brazil

Argentina

Others

Europe Middle East and Africa

Europe

United Kingdom

Germany

France

Italy

Spain

Others

Middle East and Africa

Asia Pacific

Japan

China

India

Australia

Others

Market Players

Competitive intelligence and company profile sections analyze key players in the market, their growth strategies, products, financials, and recent investments among others. Key industry players profiled as part of this section are Dyson, Bosch, BrightVolt, Prieto Battery, Cymbet Corporation, Excellatron along with several other players.

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