

Solid State Battery Market - Forecasts from 2016 to 2021

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Abstracts

Solid state battery market is expected to exponentially over the period 2016 to 2021. The main difference between the conventional Li-ion battery and a solid state battery is the electrolyte used. The former uses a liquid or gel while the later uses a solid electrolyte and offers benefits like higher energy density, longer cycle life and robustness. Unlike liquid electrolyte, solid electrolyte are non-flammable which in turns eliminate the need for multi-layer packaging, making the battery thin and light weight. Growth of consumer electronics market and high investment in the automobile industry for the development of electric vehicles are some of the key factors contributing to the growth of this market. North America dominates the global solid state battery market on account of earlier and rapid adoption of advanced solid state batteries across various applications and industries.

Research Methodology

First section of the report deals with 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 segmentation which have been covered as part of the report.

Market Dynamics

Next section provides comprehensive market dynamics through an overview section along with growth drivers, challenges and opportunities which exist in the current market. This section of the report also provides supplier and industry outlook as a whole; key industry, global and regional regulations which are determining the market growth and a brief technological aspects 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

Thirdly, Solid State battery market has been segmented on the basis of device type and application. Under different types; Lithium Ion batteries, Nickel- Cadmium batteries and Lead acid batteries have been covered. Whereas, by application, this market has been segmented into consumer electronics, Electric vehicles, Medical devices, smart cards, portable devices, wireless communication along with others.

Important regions for vendors in terms of market size is covered through detailed geographical segmentation. Geographical regions covered as a part of this section are Americas, Europe, Middle East and Africa and Asia Pacific.

Market Players

Finally, competitive intelligence section deals with major players in the market, their market shares, growth strategies, products, financials, and recent investments among others. Key industry players profiled as part of this section are Dyson, Bosch, Brightvolt, Prietobattery, Cymbet Corporation, Excellatron Solid State, Toyota Motor Corporation along with several other players.

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