EV Solid-State Battery Market Forecast (2025–2035) : USD 0.37 Billion to USD 1.9 Billion Growth Outlook

WILMINGTON, NEW CASTLE, DE, UNITED STATES, October 9, 2025 /EINPresswire.com/ -- According to the report published by Allied Market Research, Electric Vehicle Solid State Battery Market Size, Share, Competitive Landscape and Trend Analysis Report, by Vehicle Type, by Propulsion Type, by Battery Energy Density : Global Opportunity Analysis and Industry Forecast, 2025 - 2035. The report provides an in-depth analysis of top segments, changing market trends, value chain, key investment pockets, competitive scenario, and regional landscape. The report is an essential and helpful source of information for leading market players, investors, new entrants, and stakeholders in formulating new strategies for the future and taking steps to strengthen their position in the market.

Market Size : The global electric vehicle solid state battery market is expected to be valued at USD 0.37 billion in 2025, and is projected to reach USD 1.9 billion by 2035, growing at a CAGR of 18% from 2025 to 2035.

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Covid-19 Scenario:

The outbreak of COVID-19 had a negative effect on the global electric vehicle solid state battery market, as it disrupted the entire global automotive supply chain.

At the same time, the demand for electric vehicles decreased drastically due to the COVID-19 pandemic.

The biggest issues the automotive industry faced because of COVID-19 included a limited supply of auto parts, a decline in new car sales, the closure of manufacturing plants, and a loss of working capital.

However, in the post-pandemic period, significant market players funded the creation of solid-state batteries to address problems with batteries like thermal performance and discharge rate, among others. For instance, the American company QuantumScape has developed solid-state lithium-metal batteries for use in electric vehicles. Such advancements and an increase in R&D efforts in solid state batteries have led to a fast recovery of the market for electric vehicle solid state batteries.

The report offers a detailed segmentation of the global electric vehicle solid state battery market based on vehicle type, propulsion type, battery energy density, and region. The report provides an analysis of each segment and sub-segment with the help of tables and figures. This analysis helps market players, investors, and new entrants in determining the sub-segments to be tapped on to achieve growth in the coming years.

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Electric Vehicle Solid State Battery Market

By vehicle type, the passenger car segment contributed to nearly four-fifths of the global electric vehicle solid state battery market revenue in 2025 and would dominate the market in terms of revenue during the forecast period. On the other hand, the commercial vehicle segment would display the fastest CAGR of 20.3% throughout the forecast period.

By propulsion type, the battery electric vehicle segment accounted for the highest share in 2025, generating around two-thirds of the global electric vehicle solid state battery market revenue and is projected to rule the roost by 2035. However, the same segment would also showcase the fastest CAGR of 18.7% during the forecast period. Also, the hybrid electric vehicle segment is analyzed in the report.

By battery energy density, the less than 450 Wh/kg segment held the largest share in 2025, accounting for nearly three-fifths of the global electric vehicle solid state battery market and would dominate the market in terms of revenue during the forecast period. The more than 450 Wh/kg segment would cite the fastest CAGR of 18.8% throughout the forecast period.

By region, Asia-Pacific held the major share in 2025, contributing to nearly two-fifths of the global electric vehicle solid state battery market revenue. The same region, simultaneously, would also portray the fastest CAGR of 18.9% during the forecast period. The other provinces studied in the report include North America, Europe, and LAMEA.

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The leading market players analyzed in the global electric vehicle solid state battery market report include st microelectronics, Contemporary Amperex Technology Co. Ltd., TDK Corporation, Solid Power, Cymbet, LG Chem, Panasonic Corporation, Samsung SDI Co. Ltd., QuantumScape Corporation, TOYOTA MOTOR CORPORATION, Ilika, and Northvolt AB. These market players have embraced several strategies including partnership, expansion, collaboration, joint ventures, and others to highlight their prowess in the industry. The report is helpful in formulating the business performance and developments by the top players.

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We are in professional corporate relations with various companies, and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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