

Electric vehicle solid state battery market

Are solid-state batteries the future of electric vehicles?

Solid-state batteries are expected to be used in electric vehicles (EVs) to store more energy, charge faster and offer greater safety, which is expected to provide potential opportunities for the growth of the electric vehicle solid state battery market.

How big is the electric vehicle solid state battery market?

The global electric vehicle solid state battery market is expected to be valued at \$0.37 billion in 2025, and is projected to reach \$1.9 billion by 2035, growing at a CAGR of 18% from 2025 to 2035. A solid-state battery is a rechargeable energy storage system that resembles the lithium-ion battery in overall structure and operation.

What is the growth rate of North America solid state battery market?

North America solid state battery market is expected to grow at a CAGR of 55.6% over the forecast period, owing to the increasing investments in clean energy technologies and electric vehicles.

Why are EV batteries becoming more popular in Asia?

This growth is attributed to the increasing demand for electric vehicles (EVs) is a primary catalyst, as these batteries offer higher energy density and safety compared to traditional lithium-ion options. The Asia Pacific solid state battery market dominated the global market and accounted for the largest revenue share of 54.0% in 2024.

What is the global solid state battery market size?

The global solid state battery market size was estimated at USD 1.18 billion in 2024 and is projected to reach USD 15.07 billion by 2030, growing at a CAGR of 56.6% from 2025 to 2030.

Who are the leading companies in electric vehicle solid state battery market?

Some leading companies profiled in the electric vehicle solid state battery market report comprises Cymbet, Contemporary Amperex Technology Co., Limited (CATL), Ilika, LG Chem, Northvolt AB, Panasonic Corporation, QuantumScape Corporation, Samsung SDI Co., Ltd., Solid Power, STMicroelectronics, Toyota Motor Corporation, and TDK Corporation.

The first "solid-state batteries" to be commercialised might be semi- or quasi-solid-state batteries - for example using gel-like electrolyte or incorporating small volumes of liquid electrolytes - ...

16 · The report begins by defining: "The electric vehicle solid-state battery market refers to the sector focused on the development, manufacturing, and distribution of solid-state ...

In Electric Vehicle Solid State Battery Market, The world's first swappable solid state EV battery prototype has been unveiled by Gogoro.

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The global electric vehicle solid state battery market competitive landscape is characterized by intense innovation, strategic partnerships, and a race to develop cutting-edge battery ...

The solid state battery market size crossed USD 1.1 billion in 2024 and is expected register at a CAGR of 31.1% from 2025 to 2034, driven by rising EV adoption, investments in high-density, ...

The first "solid-state batteries" to be commercialised might be semi- or quasi-solid-state batteries - for example using gel-like electrolyte 2 or incorporating small volumes of liquid electrolytes - as they could help address some scale ...

The report includes the analysis of the regional as well as global electric vehicle solid state battery market trends, key players, market segments, application areas, and market growth strategies.

Electric vehicles (EVs) remain the primary focus for solid-state battery (SSB) development due to their immense market potential. Automotive original equipment ...

The report provides a comprehensive overview of the electric vehicle solid state battery market, including market size, market trends, and market forecasts. The report also ...

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