

Technology Landscape, Trends and Opportunities in the Global Electric Vehicle Battery Market

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Abstracts

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The technologies in electric vehicle battery have undergone significant change in recent years, with non-rechargeable to rechargeable electric vehicle batteries. The rising wave of new technologies, such as nickel-cadmium batteries, nickel-metal hydride batteries, sodium-nickel chloride batteries, and lithium-ion batteries are creating significant potential for electric vehicle battery applications due to reduced emission, betterment for the environment, health benefits, and safety improvements.

In this market, various technologies, such as lead-acid battery, nickel-cadmium battery, nickel-metal hydride battery, sodium-nickel chloride battery, and lithium-ion battery technologies, are used in battery electric vehicles, hybrid electric vehicles, and plug-in hybrid electric vehicles. Growing demand for zero-emission vehicles and decreasing cost of electric vehicle battery systems are creating opportunities for various electric vehicle battery technologies.

This report analyzes technology maturity, degree of disruption, competitive intensity, market potential, and other parameters of various technologies in the electric vehicle battery market. Some insights are depicted below by a sample figure. For more details on figures, the companies researched, and other objectives/benefits on this research report, please download the report brochure.

The study includes technology readiness, competitive intensity, regulatory compliance, disruption potential, trends, forecasts and strategic implications for the global electric vehicle battery technology by application, technology, and region as follows:

Technology Readiness by Technology Type

Competitive Intensity and Regulatory Compliance

Disruption Potential by Technology Type

Trends and Forecasts by Technology Type [\$M shipment analysis from 2018 to 2030]:

Lead-Acid Battery

Nickel-Cadmium Battery

Nickel-Metal Hydride Battery

Sodium-Nickel Chloride Battery

Lithium-Ion Battery

Technology Trends and Forecasts by Application [\$M shipment analysis from 2018 to 2030]:

Battery Electric Vehicles

Hybrid Electric Vehicles

Plug-in Hybrid Electric Vehicles

Technology Trends and Forecasts by Region [\$M shipment analysis for 2018 to 2030]:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Asia Pacific

Japan

China

South Korea

India

The Rest of the World

Latest Developments and Innovations in the Electric Vehicle Battery Technologies

Companies / Ecosystems

Strategic Opportunities by Technology Type

Some of the electric vehicle battery companies profiled in this report include Samsung Sdi, Quallion, Boston-Power, and LG Chem Power.

This report answers following 9 key questions:

Q.1 What are some of the promising and high-growth technology opportunities for the electric vehicle battery market?

Q.2 Which technology will grow at a faster pace and why?

Q.3 What are the key factors affecting dynamics of different technologies? What are the drivers and challenges of these technologies in electric vehicle battery market?

Q.4 What are the levels of technology readiness, competitive intensity and regulatory compliance in this technology space?

Q.5 What are the new technology developments in electric vehicle battery market? Which companies are leading these developments?

Q.6 What are the latest developments in electric vehicle battery technologies? Which companies are leading these developments?

Q.7 Which technologies have potential of disruption in this market?

Q.8 Who are the major players in this electric vehicle battery market? What strategic initiatives are being implemented by key players for business growth?

Q.9 What are strategic growth opportunities in this electric vehicle battery technology space?

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