

Electric Vehicle Battery Market: Trends, Forecast and Competitive Analysis

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Abstracts

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Electric Vehicle Battery Market Trends and Forecast

The future of the global electric vehicle battery market looks promising with opportunities in the battery electric vehicle and plug-in hybrid and hybrid electric vehicle segments. The global electric vehicle battery market is expected to grow at a CAGR of 29.2% from 2021 to 2027. The major drivers for this market are rising demand for electric vehicles, increasing safety concerns, and environmental regulations.

Emerging Trends in the Electric Vehicle Battery Market

Emerging technology trend, which has a direct impact on the dynamics of the industry, includes development of light weight as well as high energy density lithium-ion batteries.

A total of 58 figures / charts and 65 tables are provided in this 112-page report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope, benefits, companies researched, and other details of the global electric vehicle battery market report, please download the report brochure.

Electric Vehicle Battery Market by Segments

Lucintel forecasts that Lithium-ion battery technology will remain the largest segment, and is expected to witness the highest growth over the forecast period. The study includes trends and forecast for the global electric vehicle battery market by technology,

propulsion, vehicle type, and region as follows:

Technology Readiness by Technology Type

Competitive Intensity and Regulatory Compliance

Disruption Potential by Technology Type

Electric Vehicle Battery Market Trends and Forecast by Technology Type [\$ Billion Shipment Analysis from 2016 to 2027]:

Lithium-ion Battery

Lithium-iron Phosphate (LFP)

Lithium-nickel-manganese-cobalt (NMC)

Lithium-manganese-spinal (LMO)

Lithium-nickel-cobalt-aluminum (NCA)

Lithium-Titanate (LTO)

Nickle Metal Hydride

Lead Acid Battery

Electric Vehicle Battery Market Technology Trends and Forecast by Propulsion [\$ Billion Shipment Analysis from 2016 to 2027]:

Battery Electric Vehicle

Hybrid Electric Vehicle & Plug-in Hybrid Electric Vehicle

Electric Vehicle Battery Market Technology Trends and Forecast by Vehicle [\$ Billion Shipment Analysis from 2016 to 2027]:

Passenger Cars

Commercial Vehicles

Electric Vehicle Battery Market Technology Trends and Forecast by Region [\$ Billion Shipment Analysis from 2016 to 2027]:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Asia Pacific

Japan

China

South Korea

India

The Rest of the World

List of Electric Vehicle Battery Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies electric vehicle battery companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the electric vehicle battery companies profiled in this report includes.

Panasonic Corporation

Samsung SDI

Johnson Control

Kokam

BYD

Toshiba Corporation

LG Chem

Sanyo Electric

Electric vehicle battery Market Insights

Lucintel forecasts that Lithium-ion battery technology will remain the largest segment of the electric vehicle battery market, and is growing at above average growth.

APAC is expected to remain the largest market and Europe is expected to witness the highest growth over the forecast period due to the growing demand for electric vehicles and the increasing adoption of fuel efficient electric vehicle technologies.

Features of the Global Electric vehicle battery Market

Market Size Estimates: Global electric vehicle battery market size estimation in terms of value (\$B) shipment.

Trend and Forecast Analysis: Market trends (2016-2021) and forecast (2022-2027) by various segments.

Segmentation Analysis: Global electric vehicle battery market size by various segments, such as by battery type, propulsion type, and vehicle type in terms of value.

Regional Analysis: Global electric vehicle battery market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different segments by battery type, propulsion type, vehicle type, and regions for the global electric vehicle battery market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the global electric vehicle battery market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model

FAQ

Q1. What is the electric vehicle battery market size?

Answer: The global electric vehicle battery market is expected to reach an estimated \$616.1 billion by 2027.

Q2. What is the growth forecast for electric vehicle battery market?

Answer: The electric vehicle battery market is expected to grow at a CAGR of 29.2% from 2022 to 2027.

Q3. What are the major drivers influencing the growth of the electric vehicle battery market?

Answer: The major drivers for this market are rising demand for electric vehicles, increasing safety concerns, and environmental regulations.

Q4. What are the major applications or end use industries for electric vehicle battery?

Answer: Lithium-ion electric vehicle battery is the major segment by product for electric vehicle battery.

Q5. What are the emerging trends in electric vehicle battery market?

Answer: Emerging trends, which have a direct impact on the dynamics of the industry, include development of light weight as well as high energy density lithium-ion batteries.

Q6. Who are the key electric vehicle battery companies?

Answer: Some of the key electric vehicle battery companies are as follows:

Panasonic Corporation

Samsung SDI

Johnson Control

Kokam

BYD

Toshiba Corporation

LG Chem

Sanyo Electric

Q7. Which electric vehicle battery technology type segment will be the largest in future?

Answer: Lucintel forecasts that lithium-ion electric vehicle battery will remain the largest segment, and it is also expected to witness the highest growth over the forecast period due to the increasing demand for zero emission climates and government regulations.

Q8: In electric vehicle battery market, which region is expected to be the largest in next 5 years?

Answer: APAC is expected to remain the largest market and Europe is expected to witness the highest growth over the forecast period due to the growing demand for electric vehicles and the increasing adoption of fuel efficient electric vehicle technologies.

Q9. Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1 What are some of the most promising growth opportunities for the global electric vehicle battery market by battery type (lithium-ion, lead acid, nickel metal hydride), by propulsion (battery electric vehicle and plug in and hybrid electric vehicle), by vehicle (passenger cars and commercial vehicles), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

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

Q.3 Which region will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges, and business risks in this market?

Q.5 What are the business risks and competitive threats in this market?

Q.6 What are the emerging trends in this market and the reasons behind them?

Q.7 What are some of the changing demands of customers in the market?

Q.8 What are the new developments in the market and which companies are leading these developments?

Q.9 Who are the major players in this market? What strategic initiatives are being taken by key players for business growth?

Q.10 What are some of the competing products in this market and how big of a threat do they pose for loss of market share by product substitution?

Q.11 What M&A activity has occurred in the last five years?

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