

Global Lithium-ion Batteries for Automotive Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Lithium-ion Batteries for Automotive market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

A lithium-ion battery or Li-ion battery (abbreviated as LIB) is a type of rechargeable battery in which lithium ions move from the negative electrode to the positive electrode during discharge and back when charging. Li-ion batteries use an intercalated lithium compound as one electrode material, compared to the metallic lithium used in a non-rechargeable lithium battery. The electrolyte, which allows for ionic movement, and the two electrodes are the constituent components of a lithium-ion battery cell.

Automotive is a key driver of this industry. According to data from the World Automobile Organization (OICA), global automobile production and sales in 2017 reached their peak in the past 10 years, at 97.3 million and 95.89 million respectively. In 2018, the global economic expansion ended, and the global auto market declined as a whole. In 2022, there will wear units 81.6 million vehicles in the world. At present, more than 90% of the world's automobiles are concentrated in the three continents of Asia, Europe and North America, of which Asia automobile production accounts for 56% of the world, Europe accounts for 20%, and North America accounts for 16%. The world major automobile producing countries include China, the United States, Japan, South Korea, Germany, India, Mexico, and other countries; among them, China is the largest automobile producing country in the world, accounting for about 32%. Japan is the world's largest car exporter, exporting more than 3.5 million vehicles in 2022.

The Global Info Research report includes an overview of the development of the Lithium-

ion Batteries for Automotive industry chain, the market status of Passenger Cars (Lithium Nickel Manganese Cobalt (LI-NMC), Lithium Iron Phosphate (LFP)), Commercial Vehicles (Lithium Nickel Manganese Cobalt (LI-NMC), Lithium Iron Phosphate (LFP)), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Lithium-ion Batteries for Automotive.

Regionally, the report analyzes the Lithium-ion Batteries for Automotive markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Lithium-ion Batteries for Automotive market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Lithium-ion Batteries for Automotive market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Lithium-ion Batteries for Automotive industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Lithium Nickel Manganese Cobalt (LI-NMC), Lithium Iron Phosphate (LFP)).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Lithium-ion Batteries for Automotive market.

Regional Analysis: The report involves examining the Lithium-ion Batteries for Automotive market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future

projections and forecasts for the Lithium-ion Batteries for Automotive market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Lithium-ion Batteries for Automotive:

Company Analysis: Report covers individual Lithium-ion Batteries for Automotive manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Lithium-ion Batteries for Automotive. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Passenger Cars, Commercial Vehicles).

Technology Analysis: Report covers specific technologies relevant to Lithium-ion Batteries for Automotive. It assesses the current state, advancements, and potential future developments in Lithium-ion Batteries for Automotive areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Lithium-ion Batteries for Automotive market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Lithium-ion Batteries for Automotive market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Lithium Nickel Manganese Cobalt (LI-NMC)

Lithium Iron Phosphate (LFP)

Lithium Cobalt Oxide (LCO)

Lithium Titanate Oxide (LTO)

Lithium Manganese Oxide (LMO)

Lithium Nickel Cobalt Aluminium Oxide (NCA)

Market segment by Application

Passenger Cars

Commercial Vehicles

Major players covered

Panasonic(Sanyo)

CATL

BYD

LG Chem

Samsung SDI

A123 Systems

GS Yuasa Corp

Sony

Toshiba

Clarios

Saft Batteries

Hitachi

Maxell

VARTA Storage

Farasis Energy

EnterDel

Amperex Technology Limited

Cell-Con

Flux Power

Electrovaya

Huizhou Desay

COSLIGHT

Shenzhen BAK Technology

SCUD Group

Tianjin Lishen

Hefei Guoxuan

Shenzhen Auto-Energy

OptimumNano Energy

DLG Battery

Lithium Werks

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Lithium-ion Batteries for Automotive product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Lithium-ion Batteries for Automotive, with price, sales, revenue and global market share of Lithium-ion Batteries for Automotive from 2019 to 2024.

Chapter 3, the Lithium-ion Batteries for Automotive competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Lithium-ion Batteries for Automotive breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales

quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Lithium-ion Batteries for Automotive market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Lithium-ion Batteries for Automotive.

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