

Global Automotive 24V Lithium Battery Market Growth 2025-2031

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Abstracts

The global Automotive 24V Lithium Battery market size is predicted to grow from US\$ 221 million in 2025 to US\$ 349 million in 2031; it is expected to grow at a CAGR of 7.9% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

An Automotive 24V Lithium Battery is a rechargeable battery system designed to supply 24 volts of electrical power for use in vehicles, particularly commercial trucks, buses, construction machinery, military vehicles, and specialty vehicles that require higher voltage than standard 12V systems.

United States market for Automotive 24V Lithium Battery is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Automotive 24V Lithium Battery is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Automotive 24V Lithium Battery is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Automotive 24V Lithium Battery players cover LG Energy, Samsung SDI, Camel Group, CATL, BYD, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “Automotive 24V Lithium Battery Industry Forecast” looks at past sales and reviews total world Automotive 24V Lithium Battery sales in 2024, providing a comprehensive analysis by region and market sector of projected Automotive 24V Lithium Battery sales for 2025 through 2031. With Automotive 24V Lithium Battery sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Automotive 24V Lithium Battery industry.

This Insight Report provides a comprehensive analysis of the global Automotive 24V Lithium Battery landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Automotive 24V Lithium Battery portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Automotive 24V Lithium Battery market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Automotive 24V Lithium Battery and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Automotive 24V Lithium Battery.

This report presents a comprehensive overview, market shares, and growth opportunities of Automotive 24V Lithium Battery market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

LiFePO₄

NCM/NCA

LiMn₂O₄

Segmentation by Application:

Commercial Vehicles

Passenger Vehicles

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

LG Energy

Samsung SDI

Camel Group

CATL

BYD

Hangzhou Skeyrich Power

LYBATT

Shenzhen Kamcy New Energy Products

Shenzhen Center POWER Tech

Clarios

Foton Motor

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive 24V Lithium Battery market?

What factors are driving Automotive 24V Lithium Battery market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Automotive 24V Lithium Battery market opportunities vary by end market size?

How does Automotive 24V Lithium Battery break out by Type, by Application?

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