

# Global Electric Vehicle Motor (EVM) Controller Market Growth 2024-2030

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# Abstracts

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According to our LPI (LP Information) latest study, the global Electric Vehicle Motor (EVM) Controller market size was valued at US\$ 8926 million in 2023. With growing demand in downstream market, the Electric Vehicle Motor (EVM) Controller is forecast to a readjusted size of US\$ 31260 million by 2030 with a CAGR of 19.6% during review period.

The research report highlights the growth potential of the global Electric Vehicle Motor (EVM) Controller market. Electric Vehicle Motor (EVM) Controller are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Electric Vehicle Motor (EVM) Controller. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Electric Vehicle Motor (EVM) Controller market.

The motor controller is mainly composed of heat dissipation module, power semiconductor module, control module, drive module and thin film capacitor, among which the control module includes control chip and power circuit board. The power semiconductor module mainly uses IGBT1 module. As an important signal and energy transmission component in new energy vehicles, the motor controller, on the one hand, receives information from the vehicle controller and control mechanism (brake pedal, accelerator pedal, gear shifting mechanism) to control the work of the motor, and on the other hand, converts the electric energy in the battery into the electric energy that drives the motor.The voltage and current of the driving motor are controlled by the motor



controller integrated circuit, and the motor controller can make it work in accordance with the set direction, speed, Angle and response time, so as to control the starting and stopping state, advance and retreat speed, climbing strength and other driving states of the new energy vehicle.

Global EV sales continued strong. A total of 10,5 million new BEVs and PHEVs were delivered during 2022, an increase of +55 % compared to 2021. China and Europe emerged as the main drivers of strong growth in global EV sales. In 2022, the production and sales of new energy vehicles in China reach 7.0 million and 6.8 million respectively, a year-on-year increase of 96.9% and 93.4%, with a market share of 25.6%. The production and sales of new energy vehicles have ranked first in the world for eight consecutive years. Among them, the sales volume of pure electric vehicles was 5.365 million, a year-on-year increase of 81.6%. In 2022, sales of pure electric vehicles in Europe will increase by 29% year-on-year to 1.58 million.

Key Features:

The report on Electric Vehicle Motor (EVM) Controller market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Electric Vehicle Motor (EVM) Controller market. It may include historical data, market segmentation by Type (e.g., PM Synchronous Motor Controller, Asynchronous Motor Controller), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Electric Vehicle Motor (EVM) Controller market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Electric Vehicle Motor (EVM) Controller market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Electric Vehicle Motor (EVM) Controller industry. This include advancements in Electric Vehicle Motor (EVM) Controller technology, Electric



Vehicle Motor (EVM) Controller new entrants, Electric Vehicle Motor (EVM) Controller new investment, and other innovations that are shaping the future of Electric Vehicle Motor (EVM) Controller.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Electric Vehicle Motor (EVM) Controller market. It includes factors influencing customer ' purchasing decisions, preferences for Electric Vehicle Motor (EVM) Controller product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Electric Vehicle Motor (EVM) Controller market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Electric Vehicle Motor (EVM) Controller market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Electric Vehicle Motor (EVM) Controller market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Electric Vehicle Motor (EVM) Controller industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Electric Vehicle Motor (EVM) Controller market.

#### Market Segmentation:

Electric Vehicle Motor (EVM) Controller 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.

#### Segmentation by type



#### PM Synchronous Motor Controller

Asynchronous Motor Controller

Others

Segmentation by application

Passenger Vechicle

**Commercial Vechicle** 

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 analyzing the company's coverage, product portfolio, its market penetration.

Tesla

BYD

Zhongshan Broad-Ocean Motor

Suzhou Inovance Automotive

Bosch



Shenzhen Megmeet Drive Technology

Denso

JEE

Changan

Shanghai Dajun Technologies

UAES

Shenzhen V&T Technologies

Shenzhen Greatland Electrics

Hitachi

Tianjin Santroll Electric Automobile Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Electric Vehicle Motor (EVM) Controller market?

What factors are driving Electric Vehicle Motor (EVM) Controller market growth, globally and by region?

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

How do Electric Vehicle Motor (EVM) Controller market opportunities vary by end market size?

How does Electric Vehicle Motor (EVM) Controller break out type, application?



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