

Global Permanent Magnet Synchronous Motor Driver Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Permanent Magnet Synchronous Motor Driver market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

In the past ten years, with the successful industrialization of NdFeB permanent magnets with high heat resistance and high magnetic properties, and the rapid development of integrated circuit/computer technology and power electronic component technology, permanent magnet motors have ushered in a golden age. With its high efficiency, high specific power, and significant energy saving, permanent magnet motors have achieved remarkable results in military, aerospace, agriculture, and civilian fields. Compared with asynchronous motors of the same power, permanent magnet synchronous motors have the advantages of small size, light weight, large output torque, fast response speed, excellent limit speed and braking performance. In addition, the replacement of the excitation coil by the permanent magnet also saves electric energy. Therefore, at present, most electric vehicles in China and some models in other countries use permanent magnet synchronous motors, making permanent magnet synchronous motors widely used in the field of electric vehicles. These development trends make permanent magnet synchronous motor drives show great potential and prospects in various fields.

The permanent magnet synchronous motor driver is a high-performance, high-efficiency motor driver that achieves precise motion control by controlling the torque and permanent magnet torque of the magnetic synchronous motor.

This report studies the global Permanent Magnet Synchronous Motor Driver production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Permanent Magnet Synchronous Motor Driver, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Permanent Magnet Synchronous Motor Driver that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Permanent Magnet Synchronous Motor Driver total production and demand, 2018-2029, (K Units)

Global Permanent Magnet Synchronous Motor Driver total production value, 2018-2029, (USD Million)

Global Permanent Magnet Synchronous Motor Driver production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Permanent Magnet Synchronous Motor Driver consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Permanent Magnet Synchronous Motor Driver domestic production, consumption, key domestic manufacturers and share

Global Permanent Magnet Synchronous Motor Driver production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Permanent Magnet Synchronous Motor Driver production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Permanent Magnet Synchronous Motor Driver production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Permanent Magnet Synchronous Motor Driver market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ABB Group, Siemens AG, Schneider Electric SE, Rockwell Automation, Inc., Fuji Electric Co., Ltd.,

Nidec Corporation, Danfoss A/S, Yaskawa Electric Corporation and NXP Semiconductors, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Permanent Magnet Synchronous Motor Driver market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Permanent Magnet Synchronous Motor Driver Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Permanent Magnet Synchronous Motor Driver Market, Segmentation by Type

High Precision

Ultra High Precision

Global Permanent Magnet Synchronous Motor Driver Market, Segmentation by Application

Automated Industrial

Home Appliances

Transportation

New Energy Vehicles

Others

Companies Profiled:

ABB Group

Siemens AG

Schneider Electric SE

Rockwell Automation, Inc.

Fuji Electric Co., Ltd.

Nidec Corporation

Danfoss A/S

Yaskawa Electric Corporation

NXP Semiconductors

Parker Hannifin Corporation

Emerson

WEG S.A.

Hitachi, Ltd.

Delta Electronics, Inc.

Zhejiang Founder Motor Co., Ltd.

Ningbo Physis Technology Co., Ltd.

Shenzhen Inovance Technology Co., Ltd.

Qingdao Kekai Electronics Research Institute Co., Ltd.

Key Questions Answered

1. How big is the global Permanent Magnet Synchronous Motor Driver market?
2. What is the demand of the global Permanent Magnet Synchronous Motor Driver market?
3. What is the year over year growth of the global Permanent Magnet Synchronous Motor Driver market?
4. What is the production and production value of the global Permanent Magnet Synchronous Motor Driver market?
5. Who are the key producers in the global Permanent Magnet Synchronous Motor Driver market?
6. What are the growth factors driving the market demand?

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