

# Global High Voltage Permanent Magnet Synchronous Motor Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global High Voltage Permanent Magnet Synchronous Motor market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

High-voltage permanent magnet synchronous motor is a synchronous motor that uses permanent magnets as rotor material and is designed for high-voltage applications. It achieves efficient energy conversion by embedding or surface-mounting permanent magnets in the rotor to generate a synchronous magnetic field between the stator and the rotor. Due to its high power density, stability and energy efficiency advantages, high-voltage PMSM is widely used in wind power generation, oil and gas, rail transportation and heavy industry, and has significant advantages in applications that require efficient and high-power drive.

As a high-efficiency, high-power-density motor technology, high-voltage permanent magnet synchronous motor is gradually becoming the preferred drive solution for various industries pursuing high efficiency and low carbon emissions. Its unique permanent magnet structure enables it to perform well in high-power and high-torque applications, especially in wind power generation, rail transportation, oil and gas, etc., which can significantly improve energy efficiency and reduce operating costs. Although the initial investment is high, with technological progress and large-scale production, the

application prospects of high-voltage PMSM are very broad, and it is expected to promote sustainable development in the global energy and industrial fields.

This report is a detailed and comprehensive analysis for global High Voltage Permanent Magnet Synchronous Motor market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global High Voltage Permanent Magnet Synchronous Motor market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global High Voltage Permanent Magnet Synchronous Motor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global High Voltage Permanent Magnet Synchronous Motor market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global High Voltage Permanent Magnet Synchronous Motor market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

### **The Primary Objectives in This Report Are:**

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for High Voltage Permanent Magnet Synchronous Motor
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global High Voltage Permanent Magnet Synchronous Motor market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence,

and key developments. Key companies covered as a part of this study include Valeo, Siemens, Bosch Rexroth, HIFIC, Hangzhou Lixin Electric Motor, Hunan Xiangdian Intelligent Equipment, Anhui Mingteng Permanent Magnet Electromechanical Equipment, Jiangsu Hengchi Motor Technology, Anhui Yemai Electromechanical Technology, Wuhan Mediga Electromechanical Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## **Market Segmentation**

High Voltage Permanent Magnet Synchronous Motor market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Surface Mount Type

Embedded Type

### Market segment by Application

Energy Industry

Heavy Industry

Aerospace

Manufacturing

Others

### Major players covered

Valeo

Siemens

Bosch Rexroth

HIFIC

Hangzhou Lixin Electric Motor

Hunan Xiangdian Intelligent Equipment

Anhui Mingteng Permanent Magnet Electromechanical Equipment

Jiangsu Hengchi Motor Technology

Anhui Yemai Electromechanical Technology

Wuhan Mediga Electromechanical Technology

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 High Voltage Permanent Magnet Synchronous Motor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of High Voltage Permanent Magnet Synchronous Motor, with price, sales quantity, revenue, and global market share of High Voltage Permanent Magnet Synchronous Motor from 2020 to 2025.

Chapter 3, the High Voltage Permanent Magnet Synchronous Motor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the High Voltage Permanent Magnet Synchronous Motor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and High Voltage Permanent Magnet Synchronous Motor market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 High Voltage Permanent Magnet Synchronous Motor.

Chapter 14 and 15, to describe High Voltage Permanent Magnet Synchronous Motor sales channel, distributors, customers, research findings and conclusion.

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