

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

<https://marketpublishers.com/r/GDAE403B3750EN.html>

Date: October 2025

Pages: 94

Price: US\$ 3,480.00 (Single User License)

ID: GDAE403B3750EN

## Abstracts

According to our (Global Info Research) latest study, the global Low 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.

A low-voltage permanent magnet synchronous motor (PMSM) is a motor that uses permanent magnets as rotor material and usually operates in a low voltage range. It is driven by alternating current to form a synchronous magnetic field between the rotor and the stator, so that the rotor speed is consistent with the frequency of the magnetic field generated by the stator. Due to the use of permanent magnets, PMSM has the advantages of high efficiency, high power density, and low noise, and is widely used in industrial automation, electric vehicles, household appliances and other fields.

As a highly efficient and energy-saving motor technology, low-voltage permanent magnet synchronous motor (PMSM) is increasingly becoming a key driving force in the fields of industrial automation and electric transportation. Its use of permanent magnets reduces energy loss and improves motor efficiency, especially in application scenarios that require high power density and precise control. Although the manufacturing cost of PMSM is relatively high, its cost is gradually decreasing with the advancement of material science and manufacturing processes. In addition, the wide application of PMSM in fields such as renewable energy, home appliances and smart manufacturing

has further promoted the realization of global energy conservation and emission reduction goals. In the future, as the technology continues to mature and costs decrease, low-voltage permanent magnet synchronous motors are expected to play a more important role in a wider range of industries.

This report is a detailed and comprehensive analysis for global Low 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 Low 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 Low 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 Low 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 Low 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 Low 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 Low 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 Siemens, ABB, Bosch Rexroth, Schneider Electric, Toshiba, HIFIC, Anhui Mingteng Permanent Magnet Electromechanical Equipment, Anhui Yemai Electromechanical Technology, Wuhan Mediga Electromechanical Technology, Hunan Xiangdian Intelligent Equipment, etc.

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

## **Market Segmentation**

Low 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

Electric Vehicles

Household Appliances

Elevators

Industrial

Others

## Major players covered

Siemens

ABB

Bosch Rexroth

Schneider Electric

Toshiba

HIFIC

Anhui Mingteng Permanent Magnet Electromechanical Equipment

Anhui Yemai Electromechanical Technology

Wuhan Mediga Electromechanical Technology

Hunan Xiangdian Intelligent Equipment

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

Chapter 2, to profile the top manufacturers of Low Voltage Permanent Magnet Synchronous Motor, with price, sales quantity, revenue, and global market share of Low

Voltage Permanent Magnet Synchronous Motor from 2020 to 2025.

Chapter 3, the Low 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 Low 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 Low 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 Low Voltage Permanent Magnet Synchronous Motor.

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

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