

Global Permanent Magnet Generators for wind 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 Permanent Magnet Generators for wind market size was valued at US\$ 2572 million in 2024 and is forecast to a readjusted size of USD 4834 million by 2031 with a CAGR of 9.8% 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 permanent magnet generator for wind is a type of wind power generation equipment that uses permanent magnets as the excitation source. It offers advantages such as simple structure, compact size, high efficiency, and low maintenance costs. Compared with traditional electrically excited generators, permanent magnet generators have better startup performance at low wind speeds and can convert wind energy into electrical energy more efficiently. They are especially suitable for offshore wind power and small to medium-sized wind power systems, making them one of the key directions in the development of modern wind power technology.

This report is a detailed and comprehensive analysis for global Permanent Magnet Generators for wind 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 Permanent Magnet Generators for wind market size and forecasts, in consumption value (\$ Million), sales quantity (MW), and average selling prices (US\$/KW), 2020-2031

Global Permanent Magnet Generators for wind market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (MW), and average selling prices (US\$/KW), 2020-2031

Global Permanent Magnet Generators for wind market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (MW), and average selling prices (US\$/KW), 2020-2031

Global Permanent Magnet Generators for wind market shares of main players, shipments in revenue (\$ Million), sales quantity (MW), and ASP (US\$/KW), 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 Permanent Magnet Generators for wind
- 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 Permanent Magnet Generators for wind 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 ABB, Goldwind, Shanghai Electric, Xiangtan Electric, CRRC, Wolong Electric Group, Hunan SinoAzure Wind Power, The Switch, Mingyang Smart Energy, etc.

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

Market Segmentation

Permanent Magnet Generators for wind 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

?3MW

3MW-6MW

?6MW

Market segment by Application

Onshore Wind Power

Offshore Wind Power

Major players covered

ABB

Goldwind

Shanghai Electric

Xiangtan Electric

CRRC

Wolong Electric Group

Hunan SinoAzure Wind Power

The Switch

Mingyang Smart Energy

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 Permanent Magnet Generators for wind product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Permanent Magnet Generators for wind, with price, sales quantity, revenue, and global market share of Permanent Magnet Generators for wind from 2020 to 2025.

Chapter 3, the Permanent Magnet Generators for wind competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Permanent Magnet Generators for wind 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 Permanent Magnet Generators for wind 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 Permanent Magnet Generators for wind.

Chapter 14 and 15, to describe Permanent Magnet Generators for wind sales channel, distributors, customers, research findings and conclusion.

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