

Global Permanent Magnet Direct-drive Wind Turbine Generator Market Growth 2026-2032

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Abstracts

The global Permanent Magnet Direct-drive Wind Turbine Generator market size is predicted to grow from US\$ million in 2025 to US\$ million in 2032; it is expected to grow at a CAGR of % from 2026 to 2032.

Permanent Magnet Direct-drive Wind Turbine Generator is mainly aimed at the weaknesses of traditional fans, comprehensive technical upgrades and improvements, with very significant technical advantages, its biggest feature is that the wind wheel and the generator rotor are directly connected.

United States market for Permanent Magnet Direct-drive Wind Turbine Generator is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Permanent Magnet Direct-drive Wind Turbine Generator is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Permanent Magnet Direct-drive Wind Turbine Generator is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Permanent Magnet Direct-drive Wind Turbine Generator players cover Emergya Wind Technologies, Northern Power Systems, Enercon, Siemens, ABB, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the “Permanent Magnet Direct-drive Wind Turbine Generator Industry Forecast” looks at past sales and reviews total world Permanent Magnet Direct-drive Wind Turbine Generator sales in 2025, providing a comprehensive analysis by region and market sector of projected Permanent Magnet Direct-drive Wind Turbine Generator sales for 2026 through 2032. With Permanent Magnet Direct-drive Wind Turbine Generator sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Permanent Magnet Direct-drive Wind Turbine Generator industry.

This Insight Report provides a comprehensive analysis of the global Permanent Magnet Direct-drive Wind Turbine Generator landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Permanent Magnet Direct-drive Wind Turbine Generator portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Permanent Magnet Direct-drive Wind Turbine Generator market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Permanent Magnet Direct-drive Wind Turbine Generator and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Permanent Magnet Direct-drive Wind Turbine Generator.

This report presents a comprehensive overview, market shares, and growth opportunities of Permanent Magnet Direct-drive Wind Turbine Generator market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

1.2MW

1.5MW

2.54MW

Segmentation by Application:

Onshore Wind Power

Offshore Wind Power

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

Emergya Wind Technologies

Northern Power Systems

Enercon

Siemens

ABB

Layer Electronics

LEITWIND

ReGen Powertech

Avantis Energy Group

G?decke Energy and Drive Technology

Leitwind

Mtorres

GE Renewable Energy

Vestas

Xinjiang Goldwind Science and Technology

Shanghai Electric Group

Mingyang Smart Energy

Harbin Electric Group Wind Power

Key Questions Addressed in this Report

What is the 10-year outlook for the global Permanent Magnet Direct-drive Wind Turbine Generator market?

What factors are driving Permanent Magnet Direct-drive Wind Turbine Generator market growth, globally and by region?

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

How do Permanent Magnet Direct-drive Wind Turbine Generator market opportunities vary by end market size?

How does Permanent Magnet Direct-drive Wind Turbine Generator break out by Type, by Application?

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