

Global Direct Drive Wind Turbine Market Growth 2024-2030

<https://marketpublishers.com/r/GBFA345B8E82EN.html>

Date: November 2024

Pages: 92

Price: US\$ 3,660.00 (Single User License)

ID: GBFA345B8E82EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

According to our LPI (LP Information) latest study, the global Direct Drive Wind Turbine market size was valued at US\$ 26910 million in 2023. With growing demand in downstream market, the Direct Drive Wind Turbine is forecast to a readjusted size of US\$ 50270 million by 2030 with a CAGR of 9.3% during review period.

The research report highlights the growth potential of the global Direct Drive Wind Turbine market. Direct Drive Wind Turbine are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Direct Drive Wind Turbine. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Direct Drive Wind Turbine market.

The direct drive (gearless) wind turbine is the low-speed generator that eliminates the need for a gearbox from the turbine's drive train. Direct drive technology has been praised for its design, which is less complex than gearbox technology, leading to easier operations and maintenance. This appeal has made direct drive especially coveted for use in offshore wind developments. The most preferred direct drive wind turbine generator is the permanent magnet type generator, as it is lighter in weight and possesses high reliability for offshore applications. The reduction of weight seen by direct-drive machines is actually leading to a decrease in costs, especially in terms of manufacturing costs.

According to the Global Wind Report 2023 released by the Global Wind Energy Council,

by 2024, the newly installed capacity of global onshore wind power will exceed 100GW for the first time; by 2025, the newly installed capacity of global offshore wind power will also reach 25GW. In the next five years, the newly added grid-connected capacity of wind power will reach 680GW. The report also shows that the United States and Europe may experience a supply bottleneck of wind turbines and components in 2025. It recommends that national policymakers take immediate action to increase investment in supply chains to meet their rapid growth in demand and avoid supply chain bottlenecks hindering the development of wind power. In addition, according to Wood Mackenzie statistics, China is the largest and fastest-growing market for wind power generation in the world, accounting for more than half of the market share. Data from the National Energy Administration of China also shows that China's installed wind power capacity ranks first in the world, with a capacity of nearly 400 million kilowatts.

Key Features:

The report on Direct Drive Wind Turbine market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Direct Drive Wind Turbine market. It may include historical data, market segmentation by Type (e.g., Less Than 1MW, 1MW To 3MW), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Direct Drive Wind Turbine market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Direct Drive Wind Turbine market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Direct Drive Wind Turbine industry. This include advancements in Direct Drive Wind Turbine technology, Direct Drive Wind Turbine new entrants, Direct Drive Wind Turbine new investment, and other innovations that are shaping the future of Direct Drive Wind Turbine.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Direct Drive Wind Turbine market. It includes factors influencing customer ' purchasing decisions, preferences for Direct Drive Wind Turbine product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Direct Drive Wind Turbine market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Direct Drive Wind Turbine market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Direct Drive Wind Turbine market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Direct Drive Wind Turbine industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Direct Drive Wind Turbine market.

Market Segmentation:

Direct Drive Wind Turbine market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Segmentation by type

Less Than 1MW

1MW To 3MW

More Than 3MW

Segmentation by application

Energy Storage

Oil And Gas

Smart Grid

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

Siemens

General Electric

Enercon

Argosy Wind Power

Goldwind Science & Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Direct Drive Wind Turbine market?

What factors are driving Direct Drive Wind Turbine market growth, globally and by region?

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

How do Direct Drive Wind Turbine market opportunities vary by end market size?

How does Direct Drive Wind Turbine break out type, application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Direct Drive Wind Turbine Annual Sales 2019-2030
 - 2.1.2 World Current & Future Analysis for Direct Drive Wind Turbine by Geographic Region, 2019, 2023 & 2030
 - 2.1.3 World Current & Future Analysis for Direct Drive Wind Turbine by Country/Region, 2019, 2023 & 2030
- 2.2 Direct Drive Wind Turbine Segment by Type
 - 2.2.1 Less Than 1MW
 - 2.2.2 1MW To 3MW
 - 2.2.3 More Than 3MW
- 2.3 Direct Drive Wind Turbine Sales by Type
 - 2.3.1 Global Direct Drive Wind Turbine Sales Market Share by Type (2019-2024)
 - 2.3.2 Global Direct Drive Wind Turbine Revenue and Market Share by Type (2019-2024)
 - 2.3.3 Global Direct Drive Wind Turbine Sale Price by Type (2019-2024)
- 2.4 Direct Drive Wind Turbine Segment by Application
 - 2.4.1 Energy Storage
 - 2.4.2 Oil And Gas
 - 2.4.3 Smart Grid
- 2.5 Direct Drive Wind Turbine Sales by Application
 - 2.5.1 Global Direct Drive Wind Turbine Sale Market Share by Application (2019-2024)
 - 2.5.2 Global Direct Drive Wind Turbine Revenue and Market Share by Application (2019-2024)
 - 2.5.3 Global Direct Drive Wind Turbine Sale Price by Application (2019-2024)

3 GLOBAL DIRECT DRIVE WIND TURBINE BY COMPANY

3.1 Global Direct Drive Wind Turbine Breakdown Data by Company

3.1.1 Global Direct Drive Wind Turbine Annual Sales by Company (2019-2024)

3.1.2 Global Direct Drive Wind Turbine Sales Market Share by Company (2019-2024)

3.2 Global Direct Drive Wind Turbine Annual Revenue by Company (2019-2024)

3.2.1 Global Direct Drive Wind Turbine Revenue by Company (2019-2024)

3.2.2 Global Direct Drive Wind Turbine Revenue Market Share by Company (2019-2024)

3.3 Global Direct Drive Wind Turbine Sale Price by Company

3.4 Key Manufacturers Direct Drive Wind Turbine Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Direct Drive Wind Turbine Product Location Distribution

3.4.2 Players Direct Drive Wind Turbine Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR DIRECT DRIVE WIND TURBINE BY GEOGRAPHIC REGION

4.1 World Historic Direct Drive Wind Turbine Market Size by Geographic Region (2019-2024)

4.1.1 Global Direct Drive Wind Turbine Annual Sales by Geographic Region (2019-2024)

4.1.2 Global Direct Drive Wind Turbine Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic Direct Drive Wind Turbine Market Size by Country/Region (2019-2024)

4.2.1 Global Direct Drive Wind Turbine Annual Sales by Country/Region (2019-2024)

4.2.2 Global Direct Drive Wind Turbine Annual Revenue by Country/Region (2019-2024)

4.3 Americas Direct Drive Wind Turbine Sales Growth

4.4 APAC Direct Drive Wind Turbine Sales Growth

4.5 Europe Direct Drive Wind Turbine Sales Growth

4.6 Middle East & Africa Direct Drive Wind Turbine Sales Growth

5 AMERICAS

5.1 Americas Direct Drive Wind Turbine Sales by Country

5.1.1 Americas Direct Drive Wind Turbine Sales by Country (2019-2024)

5.1.2 Americas Direct Drive Wind Turbine Revenue by Country (2019-2024)

5.2 Americas Direct Drive Wind Turbine Sales by Type

5.3 Americas Direct Drive Wind Turbine Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Direct Drive Wind Turbine Sales by Region

6.1.1 APAC Direct Drive Wind Turbine Sales by Region (2019-2024)

6.1.2 APAC Direct Drive Wind Turbine Revenue by Region (2019-2024)

6.2 APAC Direct Drive Wind Turbine Sales by Type

6.3 APAC Direct Drive Wind Turbine Sales by Application

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Direct Drive Wind Turbine by Country

7.1.1 Europe Direct Drive Wind Turbine Sales by Country (2019-2024)

7.1.2 Europe Direct Drive Wind Turbine Revenue by Country (2019-2024)

7.2 Europe Direct Drive Wind Turbine Sales by Type

7.3 Europe Direct Drive Wind Turbine Sales by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Direct Drive Wind Turbine by Country

8.1.1 Middle East & Africa Direct Drive Wind Turbine Sales by Country (2019-2024)

8.1.2 Middle East & Africa Direct Drive Wind Turbine Revenue by Country (2019-2024)

8.2 Middle East & Africa Direct Drive Wind Turbine Sales by Type

8.3 Middle East & Africa Direct Drive Wind Turbine Sales by Application

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Direct Drive Wind Turbine

10.3 Manufacturing Process Analysis of Direct Drive Wind Turbine

10.4 Industry Chain Structure of Direct Drive Wind Turbine

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Direct Drive Wind Turbine Distributors

11.3 Direct Drive Wind Turbine Customer

12 WORLD FORECAST REVIEW FOR DIRECT DRIVE WIND TURBINE BY GEOGRAPHIC REGION

- 12.1 Global Direct Drive Wind Turbine Market Size Forecast by Region
 - 12.1.1 Global Direct Drive Wind Turbine Forecast by Region (2025-2030)
 - 12.1.2 Global Direct Drive Wind Turbine Annual Revenue Forecast by Region (2025-2030)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Direct Drive Wind Turbine Forecast by Type
- 12.7 Global Direct Drive Wind Turbine Forecast by Application

13 KEY PLAYERS ANALYSIS

- 13.1 Siemens
 - 13.1.1 Siemens Company Information
 - 13.1.2 Siemens Direct Drive Wind Turbine Product Portfolios and Specifications
 - 13.1.3 Siemens Direct Drive Wind Turbine Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.1.4 Siemens Main Business Overview
 - 13.1.5 Siemens Latest Developments
- 13.2 General Electric
 - 13.2.1 General Electric Company Information
 - 13.2.2 General Electric Direct Drive Wind Turbine Product Portfolios and Specifications
 - 13.2.3 General Electric Direct Drive Wind Turbine Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.2.4 General Electric Main Business Overview
 - 13.2.5 General Electric Latest Developments
- 13.3 Enercon
 - 13.3.1 Enercon Company Information
 - 13.3.2 Enercon Direct Drive Wind Turbine Product Portfolios and Specifications
 - 13.3.3 Enercon Direct Drive Wind Turbine Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.3.4 Enercon Main Business Overview
 - 13.3.5 Enercon Latest Developments
- 13.4 Argosy Wind Power
 - 13.4.1 Argosy Wind Power Company Information
 - 13.4.2 Argosy Wind Power Direct Drive Wind Turbine Product Portfolios and Specifications

13.4.3 Argosy Wind Power Direct Drive Wind Turbine Sales, Revenue, Price and Gross Margin (2019-2024)

13.4.4 Argosy Wind Power Main Business Overview

13.4.5 Argosy Wind Power Latest Developments

13.5 Goldwind Science & Technology

13.5.1 Goldwind Science & Technology Company Information

13.5.2 Goldwind Science & Technology Direct Drive Wind Turbine Product Portfolios and Specifications

13.5.3 Goldwind Science & Technology Direct Drive Wind Turbine Sales, Revenue, Price and Gross Margin (2019-2024)

13.5.4 Goldwind Science & Technology Main Business Overview

13.5.5 Goldwind Science & Technology Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

List Of Figures

LIST OF FIGURES

I would like to order

Product name: Global Direct Drive Wind Turbine Market Growth 2024-2030

Product link: <https://marketpublishers.com/r/GBFA345B8E82EN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GBFA345B8E82EN.html>