

Global Small Wind Power Market Size Study, by Grid Connectivity (On-Grid, Off-Grid), by Axis (Horizontal, Vertical), by Capacity (Up to 2kW, 2kW to 5kW, 5kW to 10kW), by Application (Residential, Commercial, Utility) and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G7A097AF3CADEN.html>

Date: August 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G7A097AF3CADEN

Abstracts

Global Small Wind Power Market is valued at approximately USD 6.48 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 15.03% over the forecast period 2024-2032. Small wind power refers to the generation of electrical energy using wind turbines that are typically smaller in size and capacity compared to large, utility-scale wind farms. These systems are designed for residential, commercial, or small-scale industrial applications, with capacities usually ranging from a few hundred watts to several kilowatts. Small wind turbines harness wind energy to generate electricity for local use, often providing a sustainable alternative or supplement to traditional energy sources. They are particularly suitable for areas with moderate to strong wind resources and can be installed in various settings, including rural homes, farms, and small businesses. The adoption of small wind power systems has been gaining traction due to their capability to provide a reliable and sustainable source of energy, particularly in remote and rural areas. Rising investments in clean energy development and the growing utilization of small wind systems for commercial applications and rural households are pivotal factors driving the market expansion. The small wind power market is witnessing increased deployment due to the demand for energy independence and the need for sustainable electricity generation. These systems are particularly advantageous in regions with minimal grid connectivity, such as rural areas in India, China, and parts of Africa and South America. The global push towards renewable energy investments, as seen in nations such as India and China, is propelling the market forward. For instance, the State Investment Promotion Board (SIPB) of Andhra Pradesh, India, approved significant investments in renewable energy

projects in September 2022, including substantial capacity for small wind power systems. Furthermore, the horizontal axis wind turbine (HAWT) technology has significantly influenced market dynamics, with its main rotor shaft and electrical generator positioned at the top of the tower. The technological and economic benefits associated with HAWTs, such as low cost, ease of maintenance, and high efficiency, have made them the dominant choice in the small wind power market.

The key regions in the Global Small Wind Power Market includes North America, Europe, Asia Pacific, Latin America, and Middle East & Africa. In 2023, Europe leads the small wind power market, driven by a strong commitment to renewable energy and sustainability. The region's supportive regulatory frameworks, generous incentives, and ambitious climate goals have fostered significant growth in small wind power installations. European countries, such as the United Kingdom, Germany, and Denmark, have pioneered advancements in small wind turbine technology and deployment, supported by robust policies and funding programs. This leadership is further bolstered by Europe's extensive research and development efforts, which enhance the efficiency and affordability of small wind systems. The region's focus on decentralizing energy production and promoting clean energy sources continues to position Europe at the forefront of the global small wind power market. North America follows closely, with substantial investments in wind power capacity and supportive government policies driving growth. The Asia-Pacific region is expected to exhibit the fastest growth, supported by government initiatives and the rising demand for sustainable energy solutions.

Major market players included in this report are:

Northern Power Systems Corp.
Kingspan Group Plc.
Bergey Wind Power Co. Inc.
S.L. (Spain)
Ennera Energy and Mobility
Eocycle Technologies Inc.
Guangzhou HY Energy Technology Co. Ltd
Shanghai Ghrepower Green Energy Co. Ltd
Endurance Wind Power Inc.
XZERES Wind Corporation
City Windmills Holdings PLC
Aeolos Wind Energy Ltd

The detailed segments and sub-segment of the market are explained below:
By Grid Connectivity:

On-Grid
Off-Grid

By Axis:
Horizontal Axis
Vertical Axis

By Capacity:
Up to 2kW
2kW to 5kW
5kW to 10kW

By Application:
Residential
Commercial
Utility

By Region:
North America
U.S.
Canada

Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL SMALL WIND POWER MARKET EXECUTIVE SUMMARY

- 1.1. Global Small Wind Power Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Grid Connectivity
 - 1.3.2. By Axis
 - 1.3.3. By Capacity
 - 1.3.4. By Application
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL SMALL WIND POWER MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL SMALL WIND POWER MARKET DYNAMICS

Global Small Wind Power Market Size Study, by Grid Connectivity (On-Grid, Off-Grid), by Axis (Horizontal, Vert...

3.1. Market Drivers

- 3.1.1. Rising Investments in Clean Energy
- 3.1.2. Growing Adoption in Remote Areas

3.2. Market Challenges

- 3.2.1. High Initial Investment Costs
- 3.2.2. Regulatory and Compliance Issues

3.3. Market Opportunities

- 3.3.1. Technological Advancements in Wind Power
- 3.3.2. Expansion in Emerging Markets

CHAPTER 4. GLOBAL SMALL WIND POWER MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top investment opportunity

4.4. Top winning strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL SMALL WIND POWER MARKET SIZE & FORECASTS BY GRID CONNECTIVITY 2022-2032

5.1. Segment Dashboard

5.2. Global Small Wind Power Market: Grid Connectivity Revenue Trend Analysis, 2022

& 2032 (USD Billion)

5.2.1. On-Grid

5.2.2. Off-Grid

CHAPTER 6. GLOBAL SMALL WIND POWER MARKET SIZE & FORECASTS BY AXIS 2022-2032

6.1. Segment Dashboard

6.2. Global Small Wind Power Market: Axis Revenue Trend Analysis, 2022 & 2032 (USD Billion)

6.2.1. Horizontal Axis

6.2.2. Vertical Axis

CHAPTER 7. GLOBAL SMALL WIND POWER MARKET SIZE & FORECASTS BY CAPACITY 2022-2032

7.1. Segment Dashboard

7.2. Global Small Wind Power Market: Capacity Revenue Trend Analysis, 2022 & 2032 (USD Billion)

7.2.1. Up to 2kW

7.2.2. 2kW to 5kW

7.2.3. 5kW to 10kW

CHAPTER 8. GLOBAL SMALL WIND POWER MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

8.1. Segment Dashboard

8.2. Global Small Wind Power Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Billion)

8.2.1. Residential

8.2.2. Commercial

8.2.3. Utility

CHAPTER 9. GLOBAL SMALL WIND POWER MARKET SIZE & FORECASTS BY REGION 2022-2032

9.1. North America Small Wind Power Market

9.1.1. U.S. Small Wind Power Market

9.1.1.1. Grid Connectivity breakdown size & forecasts, 2022-2032

- 9.1.1.2. Axis breakdown size & forecasts, 2022-2032
- 9.1.1.3. Capacity breakdown size & forecasts, 2022-2032
- 9.1.1.4. Application breakdown size & forecasts, 2022-2032
- 9.1.2. Canada Small Wind Power Market
- 9.2. Europe Small Wind Power Market
 - 9.2.1. U.K. Small Wind Power Market
 - 9.2.2. Germany Small Wind Power Market
 - 9.2.3. France Small Wind Power Market
 - 9.2.4. Spain Small Wind Power Market
 - 9.2.5. Italy Small Wind Power Market
 - 9.2.6. Rest of Europe Small Wind Power Market
- 9.3. Asia-Pacific Small Wind Power Market
 - 9.3.1. China Small Wind Power Market
 - 9.3.2. India Small Wind Power Market
 - 9.3.3. Japan Small Wind Power Market
 - 9.3.4. Australia Small Wind Power Market
 - 9.3.5. South Korea Small Wind Power Market
 - 9.3.6. Rest of Asia Pacific Small Wind Power Market
- 9.4. Latin America Small Wind Power Market
 - 9.4.1. Brazil Small Wind Power Market
 - 9.4.2. Mexico Small Wind Power Market
 - 9.4.3. Rest of Latin America Small Wind Power Market
- 9.5. Middle East & Africa Small Wind Power Market
 - 9.5.1. Saudi Arabia Small Wind Power Market
 - 9.5.2. South Africa Small Wind Power Market
 - 9.5.3. Rest of Middle East & Africa Small Wind Power Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Key Company SWOT Analysis
 - 10.1.1. Company
 - 10.1.2. Company
 - 10.1.3. Company
- 10.2. Top Market Strategies
- 10.3. Company Profiles
 - 10.3.1. S.L.
 - 10.3.1.1. Key Information
 - 10.3.1.2. Overview
 - 10.3.1.3. Financial (Subject to Data Availability)

- 10.3.1.4. Product Summary
- 10.3.1.5. Market Strategies
- 10.3.2. Ennera Energy and Mobility
- 10.3.3. Eocycle Technologies Inc.
- 10.3.4. Guangzhou HY Energy Technology Co. Ltd
- 10.3.5. Shanghai Ghrepower Green Energy Co. Ltd
- 10.3.6. Endurance Wind Power Inc.
- 10.3.7. XZERES Wind Corporation
- 10.3.8. City Windmills Holdings PLC
- 10.3.9. Aeolos Wind Energy Ltd
- 10.3.10. Northern Power Systems Corp.
- 10.3.11. Kingspan Group Plc.
- 10.3.12. Bergey Wind Power Co. Inc.

CHAPTER 11. RESEARCH PROCESS

- 11.1. Research Process
 - 11.1.1. Data Mining
 - 11.1.2. Analysis
 - 11.1.3. Market Estimation
 - 11.1.4. Validation
 - 11.1.5. Publishing
- 11.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Global Small Wind Power market, report scope

TABLE 2. Global Small Wind Power market estimates & forecasts by Region 2022-2032 (USD Billion)

TABLE 3. Global Small Wind Power market estimates & forecasts by Grid Connectivity 2022-2032 (USD Billion)

TABLE 4. Global Small Wind Power market estimates & forecasts by Axis 2022-2032 (USD Billion)

TABLE 5. Global Small Wind Power market estimates & forecasts by Capacity 2022-2032 (USD Billion)

TABLE 6. Global Small Wind Power market estimates & forecasts by Application 2022-2032 (USD Billion)

TABLE 7. Global Small Wind Power market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 8. Global Small Wind Power market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 9. Global Small Wind Power market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 10. Global Small Wind Power market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 11. Global Small Wind Power market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 12. Global Small Wind Power market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 13. Global Small Wind Power market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 14. Global Small Wind Power market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 15. U.S. Small Wind Power market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 16. U.S. Small Wind Power market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 17. U.S. Small Wind Power market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 18. Canada Small Wind Power market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 19. Canada Small Wind Power market estimates & forecasts by segment
2022-2032 (USD Billion)

TABLE 20. Canada Small Wind Power market estimates & forecasts by segment
2022-2032 (USD Billion)

.....

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.

List Of Figures

LIST OF FIGURES

- FIG 1. Global Small Wind Power market, research methodology
- FIG 2. Global Small Wind Power market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods.
- FIG 4. Global Small Wind Power market, key trends 2023
- FIG 5. Global Small Wind Power market, growth prospects 2022-2032
- FIG 6. Global Small Wind Power market, porters 5 force model
- FIG 7. Global Small Wind Power market, PESTEL analysis
- FIG 8. Global Small Wind Power market, value chain analysis
- FIG 9. Global Small Wind Power market by segment, 2022 & 2032 (USD Billion)
- FIG 10. Global Small Wind Power market by segment, 2022 & 2032 (USD Billion)
- FIG 11. Global Small Wind Power market by segment, 2022 & 2032 (USD Billion)
- FIG 12. Global Small Wind Power market by segment, 2022 & 2032 (USD Billion)
- FIG 13. Global Small Wind Power market by segment, 2022 & 2032 (USD Billion)
- FIG 14. Global Small Wind Power market, regional snapshot 2022 & 2032
- FIG 15. North America Small Wind Power market 2022 & 2032 (USD Billion)
- FIG 16. Europe Small Wind Power market 2022 & 2032 (USD Billion)
- FIG 17. Asia Pacific Small Wind Power market 2022 & 2032 (USD Billion)
- FIG 18. Latin America Small Wind Power market 2022 & 2032 (USD Billion)
- FIG 19. Middle East & Africa Small Wind Power market 2022 & 2032 (USD Billion)
- FIG 20. Global Small Wind Power market, company market share analysis (2023)

.....

This list is not complete, final report does contain more than 50 figures. The list may be updated in the final deliverable.

I would like to order

Product name: Global Small Wind Power Market Size Study, by Grid Connectivity (On-Grid, Off-Grid), by Axis (Horizontal, Vertical), by Capacity (Up to 2kW, 2kW to 5kW, 5kW to 10kW), by Application (Residential, Commercial, Utility) and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/G7A097AF3CADEN.html>

Price: US\$ 4,950.00 (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/G7A097AF3CADEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970