

Global Small Wind Power Market: Size, Trend, Share, Opportunity Analysis, and Forecast, 2014-2025

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Abstracts

Small wind turbines comprise a wide range of wind turbines ranging from micro turbines to residential turbines and mini turbines. The wind turbines used in these end-use applications have power ratings ranging from a few watts to thousand watts. Small wind turbines include wind turbines up to 15 meters in diameter. Such wind turbines may have power ratings ranging from 50kW to 100 kW. A small wind power system can be easily connected either to an electric grid using a power provider or as a standalone system, which is also known as an off-grid system. Therefore, small wind electric systems are a feasible option, especially in rural areas that are not connected to electric grids. The global small wind power market is expected to grow at a CAGR of 20.1% from 2017 to 2025.

The global small wind power market is segmented based on type, application, and geography. Based on type, the market is divided into horizontal axis wind turbine and vertical axis wind turbine. The application areas of the market are classified as on-grid and off-grid markets. The market is analyzed based on four regions, which include North America, Europe, Asia-Pacific, and LAMEA.

MARKET DYNAMICS:

Drivers:

Increase in awareness among consumers about the use of renewable energy sources is expected to increase market demand for small wind power during the forecast period.

Currently, the rise in the demand for energy and growing concerns about the

environmental impacts of power generation using fossil fuels has fueled the consumption of small wind power as an alternative option.

Government policies supporting electricity generation by renewable sources have been projected to drive the global small wind power market further.

Restraints:

Fluctuations in raw material prices may hamper growth of the small wind power market.

MARKET PLAYERS:

The top players in the global small wind power market include Northern Power Systems Inc., Bergey Wind Power Co., Kingspan Group PLC., Xzeres Wind Corp., Unitron Energy System Private Limited, Sun and Wind Renewables Private Limited, Fortis Wind Energy B.V., Aeolos Wind Energy Co. Ltd., Qingdao Windwings Wind Turbine Co. Ltd., and Greenergy Technology Co. Ltd.

KEY TAKEAWAYS

MARKET LANDSCAPE

By Type

Horizontal Axis Wind Turbine

Vertical Axis Wind Turbine

By Application

On-Grid

Off-Grid

By Geography

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

Australia

South Korea

Rest of Asia-Pacific

LAMEA

Brazil

Saudi Arabia

Argentina

Rest of LAMEA

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