

Wind power generation market share



Overview

Wind energy generated close to 3,000 TWh of electricity globally in 2025, supplying more than 11% of the world's electricity demand. Global wind installations reached 117 GW in 2024, marking the strongest annual deployment on record at that time. 9 billion by 2033, growing at a CAGR of 5. The industry is expanding due to the global push for decarbonization, as countries aim to reduce greenhouse gas emissions. The global wind energy market size was valued at USD 174. Major developments across Asia, Europe, and North America, combined with increasing investment in offshore wind, especially in Europe, will enhance the industry. As. The Wind Turbine Generator Market worth USD 23. Goldwind, Envision Energy, Ming Yang Smart Energy, Vestas Wind Systems A/S and GE Vernova are the major companies operating in this market. The Asia-Pacific region is recognized as the fastest-growing market, propelled by rapid industrialization and urbanization. The residential segment leads in market share, while the. According to preliminary statistics released by the World Wind Energy Association (WWEA), the world added 169'014 Megawatts (MW) of new wind capacity – a 35% increase over 2024 – bringing total global installations to 1'346'866 MW. This surge represents the highest annual growth rate since 2020. The wind power generation market represents a critical segment within the global renewable energy landscape, characterized by its capacity to harness atmospheric kinetic energy and convert it into electricity at scale.



Article Content

Wind Energy Statistics 2026: Record Installations and Market Outlook

Scotland's wind power accounted for 56.9% of generation in 2024, its highest share on record. U.S. wind generation in 2023 totaled 425,235 GWh, while the fleet's capacity factor averaged

Wind Power Market Size, Share, Trends, Report 2035

Wind power market share is projected to hit USD 517.55B by 2035, driven by renewable energy demand, tech advances, and growth worldwide.

Wind Energy Market Analysis, Size, Share, Trends Report 2035

Wind Energy Market is projected to grow by USD 273.96 Billion at a 10.50% CAGR by 2035, driven by technological advancements, policy support, and increasing energy demand.

Renewable Energy

In this interactive chart, we see the share of primary energy consumption that came from renewable technologies – the combination of hydropower, solar, wind,

Wind Power Market Size & Industry Trends Report 2031

Asia-Pacific dominated with 53.55% wind power market share of global capacity in 2025 and maintains an 11.42% CAGR to 2031. China alone added 76 GW in 2024, blending record

Renewables

Renewables, in particular wind and solar technologies, are responsible for one of the largest shares of global CO2 emission reductions

2026 Renewable Energy Industry Outlook | Deloitte Insights

Deloitte's 2026 Renewable Energy Industry Outlook indicates that amid policy changes, the industry is likely to focus on building resilience

Wind Turbine Generator Market Size, Share, 2025-2031 Outlook

The report also covers market size and forecasts for the wind turbine generator market across major countries in key regions, including North America, Europe, Asia-Pacific, South America,

Global Energy Perspective 2025 | McKinsey

5. Variable renewable energy sources and gas-powered generation will likely dominate new power supply However, local market dynamics will

Global Wind Energy Market Size, Share, Trend and Forecast Till 2034

Asia Pacific held the largest global wind energy market share in 2024, accounting for approximately 39% of global revenue, robust policy support, and huge infrastructure spending across

Ørsted

Ørsted's total installed renewable energy capacity spanning Europe, Asia Pacific, and North America exceeds 18 GW across a portfolio that also includes onshore

Wind Energy Market Size & Share 2025 - 2034

Major developments across Asia, Europe, and North America, combined with increasing investment in offshore wind, especially in Europe, will enhance the

Global Statistics

The countries with the largest market volume for new wind turbines of more than 2 GW of added capacity were in 2025: China (130 GW), India (6300 MW), followed closely by the United

Wind Power Generation Market Size, Share & Industry Forecast

Gain in-depth insights into Wind Power Generation Market, projected to surge from USD 100 billion in 2024 to USD 150 billion by 2033, expanding at a CAGR of 4.5%. Explore detailed market trends,

Investment Opportunities in Renewable Energy

The shift towards renewable energy represents a focal point for inclusive growth, with renewable energy generation rising from 190.96 BU in

European Electricity Review 2024

Clean generation reached more than two-thirds of EU electricity, double fossil's share, as hydro rebounded and nuclear partially recovered from last year's lows alongside the increase in wind

Global Electricity Mid-Year Insights 2025 | Ember

Solar and wind outpaced demand growth in the first half of 2025, as renewables overtook coal's share in the global electricity mix.

China Energy Transition Review 2025

Clean generation, headed by wind and solar, is cutting into fossil fuels' market share. China generated 18% of its electricity from solar and wind in 2024, twice as much as in 2020 (9%).

Renewable levelized cost of electricity competitiveness

Wind and solar technologies drive profound structural change across Asia Pacific's (APAC) power market. Utility-scale solar photovoltaic delivers the

Share of electricity production from wind, 2025

About this data Share of electricity generated by wind power Measured as a percentage of total electricity produced in the country or region.

New Energy Outlook 2026

The New Energy Outlook is BNEF's annual report focused on long-term energy and climate scenarios for the energy transition.

Coherent Market Insights: Market Research and B2B

Coherent Market Insights provides Market Research, Customized Research, Business Intelligence, B2B Consulting, and Advisory Services to

Flexibility – Electricity 2026 – Analysis

This year, we focus on demand-side applications for providing and improving flexibility. In addition, we have updated our analysis on supply side flexibility to

Global overview – Renewables 2024 – Analysis

Global overview Renewable energy consumption Renewable energy consumption in the power, heat and transport sectors increases near 60% over 2024-2030 in our main-case forecast. This increase

Energy-Charts

Dennoch verfehlt die erneuerbare Nettostromerzeugung deutlich den für 2025 angestrebten Wert von 346 TWh. Hauptursache sind die Ausbauverfehlungen bei Wind onshore und offshore: Aufgrund

WWEA Half-year Report 2025: Global Wind Power Growth

The first half of 2025 has been a defining period for the global wind energy sector – not only for its record-breaking growth but for the clarity it provides about the world's energy direction.

Contact Us

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