

# Future proportion of wind power generation



## Overview

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As a result of new solar projects coming on line this year, we forecast that U.S. solar power generation will grow 75% from 163 billion kilowatthours (kWh) in 2023 to 286 billion kWh in 2025. A total of 72,2 gigawatts (GW) of new capacity were added between January and June 2025, following 44,1 GW installed in the first half of the year. See the projected growth of the wind industry over the next 35 years. All units are in gigawatts (GW). Only states with total capacity over 0. Find out more about the data by reading the Wind Vision Report. Wind Power 2025 drives record capacity additions, with FERC data showing robust renewable energy growth, IRA incentives, onshore and offshore projects, utility-scale generation, grid integration, and manufacturing investment boosting clean electricity across key states. Overview of record wind. This research presents a detailed evaluation of global wind power generation, employing cutting-edge machine learning methods to forecast future trends and capacities through 2050. Growth in utility-scale and distributed solar PV more than doubles, representing nearly 80% of worldwide renewable electricity capacity.

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### Map: Projected Growth of the Wind Industry From Now Until 2050

See the projected growth of the wind industry over the next 35 years. All units are in gigawatts (GW). Only states with total capacity over 0.1 GW are included per year. Find out more about the data by ...

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### WWEA Half-year Report 2025: Global Wind Power Growth ...

Global Wind Power Growth Accelerates in the First Half of 2025. The report can here be downloaded in pdf format.

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### Global Wind Energy Generation Trends and Projections: A ...

This research presents a detailed evaluation of global wind power generation, employing cutting-edge machine learning methods to forecast future trends and capacities through 2050.

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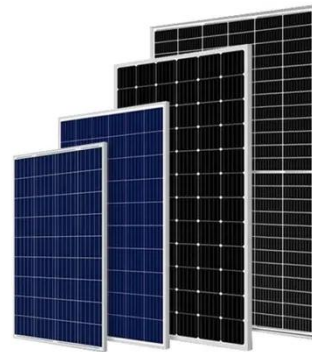
## Solar and wind to lead growth of

## U.S. power generation for the next

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## Key US wind power trends and metrics to track , Reuters

As of 2023, wind power accounted for 12% of U.S. electricity generation capacity, compared with 11% for solar, 8% for nuclear, 7% for hydro, 16% for coal and 43% for natural gas, ...

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## U.S. Wind Power 2025: Capacity, IRA, Renewable Growth

According to data from the Federal Energy Regulatory Commission (FERC), wind energy accounted for 30.1% of the new electricity capacity added in January 2025, and as the most-used renewable

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## Global Wind-Power Generation Capacity in the Context of Climate

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As wind power becomes a primary



electricity source, such low output could lead to shortages in energy supply within the power system, triggering large-scale power outages. This issue ...

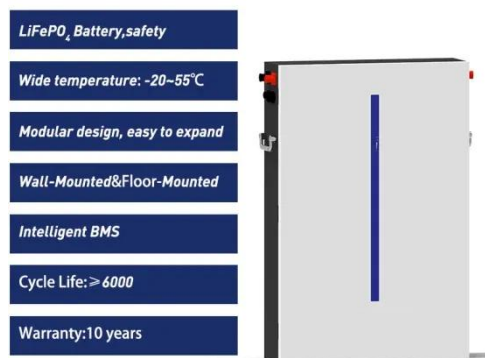
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## The Future of Wind Energy: Insights From the GWEC Global Wind ...

As the world moves toward NetZero goals, ERSG looks to the latest insights from the GWEC Global Wind Report 2025 to better understand current trends and the future of renewable energy.



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## Renewable electricity - Renewables 2025 - Analysis

In fact, renewables are expected to surpass coal at the end of 2025 (or by mid-2026 at the latest, depending on hydropower availability) to become the largest source of electricity generation globally. ...

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## How the wind blows: Numbers and data on renewables

In the report, the IEA is even more bullish than previous years on the future role of wind power, claiming that it will

become the "predominant" source of power generation in Net Zero ...

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