

Wind power generation by the end of 2025



Overview

As a result of new solar projects coming on line this year, we forecast that U. solar power generation will grow 75% from 163 billion kilowatthours (kWh) in 2023 to 286 billion kWh in 2025. This includes both onshore and offshore wind sources. Data source: Ember (2026); Energy Institute - Statistical Review of World Energy (2025) - Learn more about this data Measured in terawatt-hours. Ember (2026);. The US is expected to add more than 7 gigawatts (GW) of new wind capacity in 2025, a 36% increase from this year, according to the latest US Wind Energy Monitor report from Wood Mackenzie and the American Clean Power Association (ACP). Ember's analysis published in November shows that these technologies are no longer just catching up; they are outpacing demand growth itself. With 117 GW of new installations worldwide 2024 marked.

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[U.S. Wind Power 2025: Capacity, IRA, Renewable Growth](#)

By April 2025, clean electricity sources, including wind and solar, were projected to surpass 51% of total utility-scale electricity generation in the U.S., building on a 25.5% renewable share seen in recent ...

[Wind power generation, 2025](#)

Wind power generation, 2025 Annual electricity generation from wind is measured in terawatt-hours (TWh) per year. This includes both onshore and offshore wind sources.



[Renewable electricity - Renewables 2025 - Analysis](#)

Globally, renewable power capacity is projected to increase almost 4 600 GW between 2025 and 2030 - double the deployment of the previous five years (2019-2024). Growth in utility-scale and distributed ...

[US wind growth picks up speed as power demand surges](#)

US wind installations are set to jump in 2025, but tariffs, permitting delays, and surging power demand could shape what comes next.



[Global wind market set for historic growth despite current headwinds](#)

The global wind market outside of China and the US demonstrates stability, with onshore wind keeping steady growth whilst persistent headwinds undermine offshore development.



[Solar and wind to lead growth of U.S. power generation for the next ...](#)

We expect that wind power generation will grow 11% from 430 billion kWh in 2023 to 476 billion kWh in 2025. In 2023, the U.S. electric power sector produced 4,017 billion kilowatthours ...



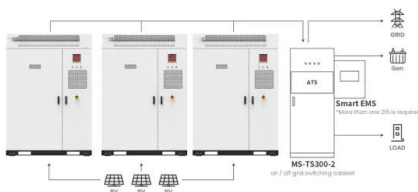
[the future of wind energy: insights from the gwec global wind report 2025](#)

In this blog, we explore key findings from the report alongside our 2025 market predictions to offer a forward-looking view of the wind energy sector, where it stands today and what's next.



[GLOBAL WIND REPORT 2025: China accounts for 70% on new ...](#)

Foreseeing a promising future for wind energy, GWEC projects new installations will exceed the previous record, reaching 139 GW in 2025. Under current policies, a total of 981 GW of new capacity ...



Application scenarios of energy storage battery products

[WWEA Half-year Report 2025: Global Wind Power Growth ...](#)

By the end of 2025, global cumulative wind capacity is projected to exceed 1'320 GW, sufficient to generate around 12% of the world's electricity. Country Highlights.



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