



# Wind power generation will double





## Overview

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Wind power faces supply chain issues, rising costs and permitting delays - but global capacity is still expected to nearly double to over 2 000 GW by 2030 as major economies like China and the European Union address these challenges. Solar PV accounts for almost 80% of the global. In our latest Short-Term Energy Outlook, we forecast that wind and solar energy will lead growth in U. power generation for the next two years. All units are in gigawatts (GW). Only states with total capacity over 0. You can download the data used for this graphic directly [here](#). 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.



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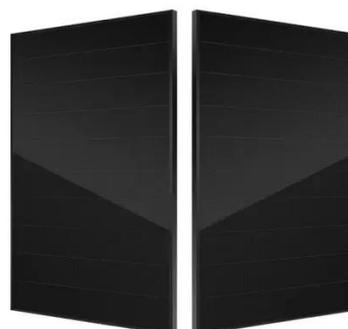
10 years warranty

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

Looking ahead, the U.S. Department of Energy projects that wind energy capacity will continue to grow, with expectations of adding between 7.3 GW and 9.9 GW in 2024, and potentially increasing to 14.5 ...

### [Global wind capacity to double by 2030, national](#)

Wind could provide almost as much generation as solar by 2030. Credit: fokke baarsen via Shutterstock. National targets add up to more than double the 2022 global wind capacity by 2030 ...



### **Solar and wind to lead growth of U.S. power generation for the next ...**

In our latest Short-Term Energy Outlook, we forecast that wind and solar energy will lead growth in U.S. power generation for the next two years. As a result of new solar projects coming on ...

### [Global Renewable Power Capacity Expected to More than Double by ...](#)

Worldwide renewable energy capacity is projected to more than double in the next five years, adding the capacity equivalent of all existing power generation sources in China, Japan and the



### [Tripling renewable power and doubling energy efficiency by 2030](#)

Against this backdrop, policy makers, energy authorities, industry and civil society have an opportunity to align at COP28 to agree global targets to triple renewable power generation capacity and double the ...



### [EIA: 99%+ of new US capacity in 2026 will be solar, wind](#)

Solar, wind, and batteries are set to supply virtually all net new US generating capacity in 2026, according to the latest EIA data.



### **Wind Power Capacity Forecast 2022-2030**

Incorrays expects global wind power capacity will break the 1 TW mark sometime in 2023 and will eclipse the 2 TW range by 2030. This is less than the previous forecast of 2500 GW with the ...



### [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 ...



### [Executive summary - Renewables 2025 - Analysis](#)

Growing shares of wind and solar PV are transforming electricity markets, increasing integration challenges. By 2030, variable renewables will generate almost 30% of global electricity supply, ...

### [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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