



# In the future wind power will account for half of the electricity generation

The wind energy industry has been on an exponential growth curve for more than a decade. POWER looks at the drivers behind the growth and predictions for the future.

The increase in solar and wind power outpaced global electricity demand growth in the first half of 2025. Solar alone met 83% of the rise, with many countries setting new records.

These charts show how renewables such as solar and wind will replace fossil fuels in power generation and which regions are leading the way in decarbonization.

For solar PV, wind and bioenergy for power, deployment has been revised downwards. Solar PV accounts for over 70% of the absolute reduction, mainly from utility-scale projects, while offshore ...

Solar and wind are growing fast enough to meet all new electricity demand worldwide for the first three quarters of 2025, according to new data from energy think tank Ember.

Wind and solar are growing faster than any other sources of electricity in history, according to new analysis from thinktank Ember. It says they are now growing fast enough to exceed ...

Wind energy has long been a cornerstone of the renewable energy sector, yet it faces increasing competition from solar power, supply chain disruptions, and shifting global policies. Here ...

In 2023, the U.S. electric power sector produced 4,017 billion kilowatthours (kWh) of electric power. Renewable sources--wind, solar, hydro, biomass, and geothermal--accounted for ...

These countries demonstrate that the world as a whole can achieve a 40-50% share of wind power in total electricity generation, as outlined by the WWEA in a long-term scenario.

Share of electricity production from wind, 2025 Measured as a percentage of total electricity produced in the country or region.



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