

# **Wind electricity and energy storage by 2025**





## Overview

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How did solar and wind impact global electricity generation in 2025?

Solar and wind outpaced demand growth in the first half of 2025, as renewables overtook coal's share in the global electricity mix. This report analyses changes in global electricity generation from January to June 2025 compared with the same period last year to measure the progress of the global clean energy transition.

How big is global renewable capacity in 2025?

The numbers tell a compelling story. Global renewable capacity is set to continue with robust growth in 2025, with forecasts pointing to more than 500 GW of new solar installations, 130 GW of new wind capacity, and over 50 GW of new battery storage.

Why should Governments Invest in solar & wind?

But to lock in this progress, governments and industry must accelerate investment in solar, wind, and battery storage, ensuring that clean, affordable, and reliable electricity reaches communities everywhere. Global electricity demand grew by 2.6% (+369 TWh) in the first half of 2025.

What solar projects are coming to the power grid in 2025?

This year, massive solar farms, offshore wind turbines, and grid-scale energy storage systems will join the power grid. Dozens of large-scale solar, wind, and storage projects will come online worldwide in 2025, representing several gigawatts of new capacity. The Oasis de Atacama in Chile will be the world's largest storage-plus-solar project.



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### [2025 Energy Outlook: Trends in Solar, Wind, Storage & Grid](#)

Explore what 2025 holds for clean energy--from solar and wind growth to storage innovations and grid modernization. Key insights from FFI Solutions.

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### [Hydrogen, Wind & Storage: The Biggest Energy Top 10s in 2025](#)

The biggest Top 10 lists in 2025 include hydrogen companies, wind power companies, energy consulting companies and energy management platforms

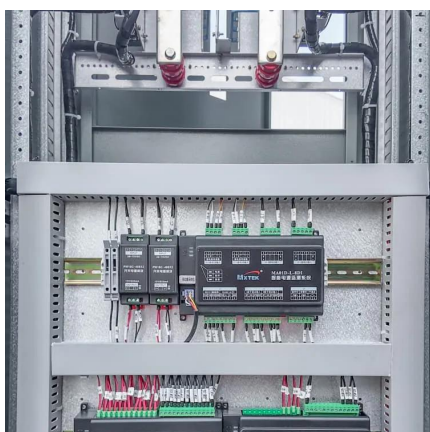
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### [The top energy stories of 2025, World Economic Forum](#)

This continued in the first half of 2025, when renewables produced more electricity than coal for the first time on record, according to energy think tank Ember. Solar and wind ...

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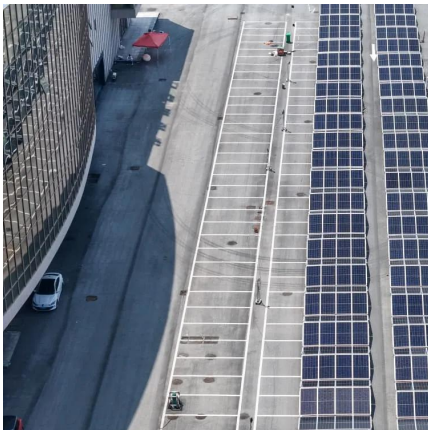


### [Power and renewables: predictions for 2025, Wood Mackenzie](#)

Analysis and outlook for power & renewables in Europe and Asia, including solar, onshore wind, offshore wind, energy storage, power markets, grid and more.



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### [Global Energy Outlook 2025: Headwinds and ...](#)

The record investment in clean energy deployment is largely driven by accelerated electrification and global electricity demand, which is projected to grow substantially across scenarios. Under all scenarios, ...

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### [Global Energy Outlook 2025: Headwinds and Tailwinds in the Energy](#)

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