

Title: European wind power generation record

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What is the latest data for wind energy in Europe?

Here is the latest data for wind energy in Europe and our latest forecast for the rest of this decade. Europe installed 6.8 GW of new wind power capacity in the first half of 2025. 5.3 GW of this was in the EU-27. 89% of the new capacity was onshore.

How much wind power does Europe have?

As of 2023, Europe had a total installed wind capacity of 255 gigawatts (GW). In 2017, a total of 15,680 MW of wind power was installed, representing 55% of all new power capacity, and the wind power generated 336 TWh of electricity, enough to supply 11.6% of the EU's electricity consumption.

How much wind power does Europe have in 2024?

Europe installed 16.4 GW of new wind power capacity in 2024. The EU-27 installed 12.9 GW of this. 84% of the new wind capacity built in Europe last year was onshore. 2.6 GW of new offshore wind power capacity was connected to the grid. Europe now has 285 GW of wind power capacity, 248 GW onshore and 37 GW offshore.

How much wind power will Europe install in 2025?

The EU-27 accounts for 231 GW of the total installed capacity, 210 GW onshore and 21 GW offshore. We expect Europe to install 187 GW of new wind power capacity over 2025-2030. The EU-27 should install 140 GW of this - 23 GW a year on average. This would bring total installations in Europe and the EU to 450 GW and 351 GW respectively by 2030.

In 2024, Europe added 16.4 GW of new wind power capacity, with the EU-27 accounting for 12.9 GW of this total. Onshore wind continued to dominate, accounting for 84% of the newly ...

record year on annual installations. With a total net installed capacity of 169 GW, wind energy remains the second largest form of power generation capacity in Europe,

Wind energy in Europe: 2024 Statistics and the outlook for 2025-2030 Reports October 2024 Wind Turbine Orders Monitoring Q3 2024 Reports September 2024 Latest wind energy data for Europe: ...

The record for daily wind power generation was set on November 24, reaching 2,995 GWh, equivalent to an

European wind power generation record

average power output of 125 GW, about 60% of the total wind fleet running at ...

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Europe ordered 11.3 GW of new wind turbines in H1 2025. This was 19% up on H1 2024. This figure breaks down: 8.8 GW onshore turbines and 2.5 GW offshore. Europe's Governments awarded 11.7 ...

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Almost 10 years later the world's first offshore wind farm was erected off the coast of Denmark. The industry has come a long way since then. The total wind power capacity in Europe has...

According to Eurostat, wind energy accounted for 39.1% of renewable electricity generation in the EU in 2024. The figures below show a steady increase in the region's installed wind ...

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

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