

Europe s wind and photovoltaic power generation levels



Overview

In 14 of the EU's 27 countries, wind and solar generated more electricity than all fossil fuels combined in 2025. EU fossil gas power fell for the fifth year running. A new report from energy think tank Ember has found that renewable energy produced almost half of EU power last year, despite a drop in hydro. Europe installed 16. “This milestone moment shows just. Over the past decade, coal power use in the European Union (EU) has fallen by 61%, according to Carbon Brief analysis of new figures from energy analysts Ember. Solar power output in the EU more than tripled between 2014 and 2024, the report shows, with last year seeing coal generation overtaken. As we examine the state of electricity consumption in the EU for the year 2025, it's noteworthy that low-carbon energy sources have emerged as the dominant force, generating just over 72% of the electricity.

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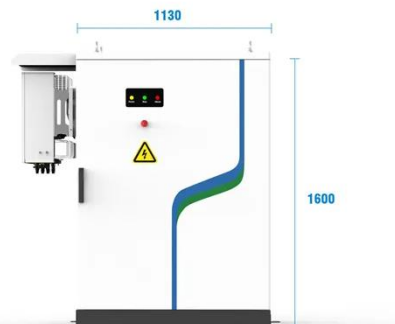
EU to add 89GW renewable capacity in 2025 despite challenges

The European Union (EU) is on track to install a record 89GW of renewable energy capacity in 2025, including 70GW of solar and 19GW of wind power, as reported by Reuters, based ...

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Europe's wind output closely tracked as solar peak passes

LITTLETON, Colorado, Sept 10 (Reuters) - Europe's wind turbines are set to take over from solar panels as the main driver of clean electricity supply growth for the rest of 2025, as the



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EU Electricity Generation Mix 2025 , Low-Carbon Power Data

Similarly, Iowa and Denmark excel in wind power, with production figures at 60% and 59%, respectively, offering lessons in scaling this technology. In terms of solar, regions like Nevada and Lebanon, ...

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European Electricity Review 2025 ,

Ember

Solar remained the EU's fastest growing power source in 2024, rising above coal for the first time. Wind power remained the EU's second largest power source, above gas and below ...

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Wind and solar overtook fossil fuels across Europe in 2025

Wind and solar generated more electricity across the European Union than fossil fuels for the first time last year, according to Ember's newly released European Electricity Review. Wind and

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EU's solar and wind growth pushes fossil-fuel power to lowest level in

Solar power output in the EU more than tripled between 2014 and 2024, the report shows, with last year seeing coal generation overtaken for the first time. Meanwhile, wind generation ...

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Wind energy in Europe: 2024 Statistics and the outlook for 2025-2030

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 ...

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Wind and solar overtake fossil fuels in EU energy mix for first time

Solar and wind overtake fossil fuels in the EU for the first time. Can the power grid keep up? The sun sets behind wind turbines near Pokrent, northern Germany, Friday, Nov. 17, 2017.

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European power mix: renewables hit 47.4% in 2024

In 2024, renewable energy sources accounted for 47.4% of the net electricity generated in the European Union - a 2.6 percentage point increase from the previous year, according to ...

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14. Renewable energy resources , Copernicus

This section reviews Europe's actual electricity generation in 2024 and the influence of climate conditions on potential power generation from onshore

wind and solar photovoltaic (PV), as well
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