

Where is the European solar power generation record



Overview

4 TWh) in June 2025, more than any other power source. This is an increase of 22% from June 2024. In second place was nuclear with 21. National records for solar and wind rolled in across EU countries in May and June, pushing coal to an all-time low. In June 2025, solar was the largest source of EU electricity for the first time, with multiple. Solar power generation in Europe is set for a record year, if first-quarter solar output is anything to go by. Electricity generation from solar power farms jumped by 32% in January to March this year compared to the same period of 2024, according to data from Ember cited by Reuters market analyst. Solar's contribution to European electricity consumption rose in the first half of 2025, but was offset by falling wind power generation. Image: Fraunhofer ISE/energy-charts. info Many European countries generated record levels of solar power in the first half of 2025, according to figures presented. Wind and solar generated more EU electricity than fossil fuels for the first time in 2025, marking a “major milestone” in the transition to clean power. 1% of total generation – a trend mostly driven by new capacity additions. 500 times since the beginning of the millennium, when the grid-connected solar era began with Germany's introduction of the feed-in tariff law.

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[Europe Set to Shatter Solar Power Generation Records](#)

All key solar markets in Europe saw solar power gaining record-high shares of the electricity mix, the data showed. These include Germany, France, Greece, Portugal, Spain, the ...

[Solar breaks European power generation record](#)

This March marked the third month in a row that Europe broke a historic power generation record. According to Eurelectric, solar now accounts for over 10% of the continent's electricity mix.



[Total EU-27 Solar PV capacity: a growth story](#)

Since then, the European Union's solar capacity surpassed 100 GW in 2018 and reached the 200 GW milestone in 2022. It exceeded 260 GW in 2023, and the growth trend is only expected to continue.

[Solar generation on the rise in Europe in first half of 2025](#)

Many European countries generated record levels of solar power in the first half of 2025, according to figures presented by the Fraunhofer Institute for Solar Energy Systems (ISE).



[The Big Repricing: 5 Structural Shifts Reshaping Clean Energy Markets](#)

Together, solar and wind generation has now overtaken fossil fuels and nuclear power, making renewables the largest source of electricity in Europe. This rapid growth has changed how ...



[Solar is EU's biggest power source for the first time ever](#)

Solar reached new highs in the majority of EU countries in June 2025, with at least thirteen countries recording their highest ever month of solar generation. These solar records are ...



[Energy Transition League Table 2025 zoom-in: European solar market](#)

The EU's energy transition reached a significant milestone in 2025, with wind and solar generation collectively surpassing fossil fuels for the first time. Solar power recorded its strongest ...



[Europe's solar generation hits new high](#)

EU solar power output grew 21.7% (i.e., by 54 terawatt-hours, TWh) in 2024, expanding from 9.3% to 11.1% of total generation - a trend mostly driven by new capacity additions. Solar plants ...



[Europe on track to smash solar power output record in 2025](#)

During the first quarter of 2025, several countries posted larger solar output gains than the regional average, including Turkey (+54%), the Netherlands (+63%), Poland (+44%) and ...



[Solar and wind overtake fossil fuels in the EU for the first time. Can](#)

Wind and solar generated more EU electricity than fossil fuels for the first time in 2025, marking a "major milestone" in the transition to clean power.



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