

Title: Does Europe use much solar power

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How many EU countries use solar power?

Notably, 10 EU countries, including Ireland which closed its last coal plant in June, used no coal power at all. At the same time, the solar sector continued to break records. At least 13 EU member states reached their highest ever share of solar electricity, including Belgium, Croatia, France, Hungary, Italy, Portugal and Slovakia.

Why is solar energy growing in the EU?

This rapid expansion reflects the strong momentum for rolling out renewable energy in the EU. With the EU's commitment to reaching climate neutrality by 2050, solar energy is expected to deliver a major share of the Union's renewable power. We have set ambitious targets.

Is Europe becoming a solar powerhouse?

In the first half of 2025 the EU consumed 1,313 TWh of electricity, a 2.2% increase over last year. Five out of the first six months in 2025 saw higher demand than the same month in 2024. Europe is becoming a solar powerhouse. European nations are harnessing the abundant resources of sunshine and wind like never before.

What is the future of solar energy in the EU?

The European Union (EU) is witnessing a significant expansion in solar photovoltaic (PV) energy as part of its renewable energy transition. By the end of 2024, the total installed PV capacity in the EU is expected to exceed 260 GW, driven by favorable policies, corporate investments, and increasing energy independence strategies.

In the second quarter of 2025, 54.0% of net electricity generated in the EU came from renewable energy sources, an increase from the 52.7% registered in the same quarter of 2024. This ...

For the first time, solar was the largest source of electricity in the EU last month, supplying a record 22 percent of the bloc's power. At least 13 countries saw solar output hit a new monthly high ...

In a historic milestone for clean energy, solar power became the leading source of electricity in the EU for the first time in June 2025. New data from energy think tank Ember reveals ...

Solar power has taken the lead in the EU's electricity generation for the first time in June, accounting for 22.1% of the EU's electricity, equivalent to 45.4 terawatt hours (TWh), according to a ...



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The EU cumulative PV capacity projections between 2024 and 2028 show double-digit growth rates year-on-year. In absolute terms, the EU is expected to add 401 GW new solar between 2024 and ...

Solar energy is one of the world's most abundant and easily accessible sources of renewable power. But how well do you know it? Several distinct technologies harness the sun's ...

Renewable Energy Renewable energy shares in energy consumption in the European Union 2012-2023  
Renewable Energy Solar PV cumulative capacity in the European Union (EU-27) ...

In June 2025, solar was the largest source of EU electricity for the first time, with multiple countries producing record amounts of solar power. Wind power in the EU started the summer ...

Ember (2026); Energy Institute - Statistical Review of World Energy (2025) - with major processing by Our World in Data. "Electricity generation from solar power" [dataset]. Ember, "Yearly ...

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