

Europe and the United States use solar power to generate electricity

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How much of Europe's electricity comes from solar?

A record 47% of the European Union's electricity now comes from solar and other renewables, a report Thursday said, in yet another sign of the growing gap between the bloc's push for clean energy and the new U.S. administration's pursuit of more fossil fuels.

Where does Europe's energy come from?

Wind turbines spin at the Klettwitz Nord solar energy park near Klettwitz, Germany. A record 47% of the European Union's electricity now comes from solar and other renewables, a report this month said, in yet another sign of the growing gap between the bloc's push for clean energy and the Trump administration's pursuit of more fossil fuels.

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.

What is the EU doing with solar energy?

The EU funds many solar cell projects, such as the PERTPV project, in which perovskite-based materials were used to build a new type of solar cell. Photovoltaic technology is becoming more widely used worldwide. Year after year, photovoltaics make up a bigger share of the EU's energy mix.

In the European Union (EU), 47% of electricity now comes from renewable sources like wind and solar, a new record according to a report from the think tank Ember. This is a far higher ...

As Europe uses more renewable energy, U.S. lags behind Meanwhile, China is outpacing everyone when it comes to building new solar and wind energy projects.

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 ...

In 2024, solar power generated 11% of EU electricity, overtaking coal which fell below 10% for the first time.



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Clean wind power generated more electricity than gas for the second year in a ...

Solar energy technologies convert sunlight into energy, either as electricity (photovoltaics and concentrated solar power) or in the form of solar heat. Solar is the fastest growing energy source in ...

Higher retail electricity prices following the energy crisis, along with strong policy support, have encouraged individuals and businesses to install solar PV systems with the aim of reducing ...

The U.S.: A Different Story In stark contrast, the United States finds itself lagging significantly behind Europe regarding renewable energy adoption. The current electricity supply ...

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In Q2 2025, renewables powered 54% of EU electricity, with solar leading the mix and topping all sources in June for the first time.

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