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# Solar panels in the European Union

How much solar power is installed in the EU?

About 2.3 GW of concentrated solar power has been installed in the EU since 2013, but most new projects take place outside of the EU. Solar thermal technologies are used mainly to produce domestic hot water in residential buildings and industry through heat collectors.

What is SolarPower Europe?

SolarPower Europe is the award-winning link between policymakers and the solar PV value chain. Get to know the SolarPower Europe team working to transform the European energy system. Get to know everything about solar power. Interested in joining SolarPower Europe? Become a member! If playback doesn't begin shortly, try restarting your device.

How much solar power does the EU have in 2024?

Source: SolarPower Europe The EU solar generation capacity keeps increasing and reached, according to SolarPower Europe, an estimated 338 GW in 2024. The EU has long been a front-runner in the roll-out of solar energy. Under the European Green Deal and the REPowerEU plan, solar power is a building block of the EU's transition to cleaner energy.

What percentage of European electricity comes from solar energy?

In 2024, 46.9% of the electricity generated in the EU came from renewables and 22% of renewable electricity came from solar energy (Eurostat, March 2025). June 2025 was the first month in history where solar energy was the main source of electricity generated in the EU at 22%. Source: SolarPower Europe

Solar panels imported or manufactured in the European Union are subject to various regulations, directives and standards. Ensuring compliance requires that the solar ...

A first contraction in ten years for Europe's solar market Despite the slowdown, the European Union still met its interim target of 400 GW of installed solar capacity by 2025, set ...

The post-energy crisis environment has brought cuts to rooftop support schemes and a perceived easing of price pressures on households, sharply slowing the home solar market. ...

Europe Solar PV Market Trends Large scale investments in solar systems to fulfill the energy needs in countries across Germany, UK, and France among others along with expanding ...

The European Union deployed 65.1 GW of solar this year, according to SolarPower Europe's EU Solar Market Outlook 2025-2030. The figure is a 0.7% decrease on the 65.6 GW ...

Discover the state of solar panel manufacturing in Europe, the challenges posed by imports, and what EU countries are doing to rebuild local production. Learn how European-made solar can ...

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