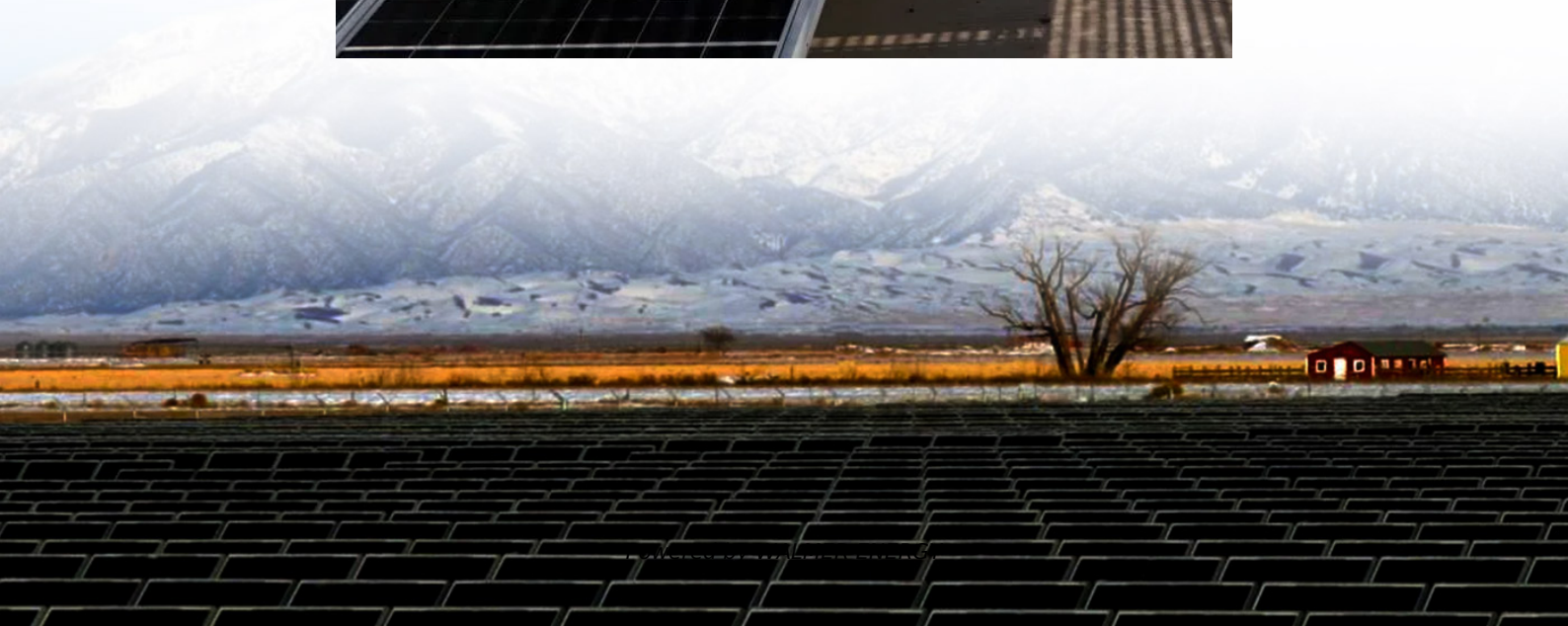


Solar panels power generation in Western Europe





Overview

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.

What is the solar energy landscape in Europe?

The solar energy landscape in Europe has rapidly evolved, positioning the continent as a significant player in global renewable energy production. As of 2023, the European Union (EU) boasts a total installed solar capacity of approximately 263 gigawatts (GW), making it the second-highest region in the world for solar power capacity.

How much solar energy does the EU generate in 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
The EU solar generation capacity keeps increasing and reached, according to SolarPower Europe, an estimated 338 GW in 2024.

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.



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Solar energy

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 ...



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