



# Proportion of solar power generation in the EU





## Overview

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June 2025 was the first month in history where solar energy (22.0% of net electricity generated in the EU) came from renewable energy sources, an increase from the 52. This increase was mostly due to solar energy, which generated a total of 122 317 gigawatt-hours (GWh) in the second. Solar accounted for 22% of electricity in the European Union in June, surpassing nuclear as the largest source, while renewables supplied 54% of net power in the second quarter, driven by rising PV output. Credit: Soonthorn Wongsaita/Shutterstock.



## Proportion of solar power generation in the EU

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### Solar power was EU's largest source of electricity in June 2025

June 2025 was the first month in history where solar energy (22.0%) was the main source of electricity generated in the EU, ahead of nuclear (21.6%), wind (15.8%), hydro (14.1%) and ...

### Renewable energy statistics

This article provides recent statistics on the share of energy from renewable sources overall and in 3 consumption areas (electricity, heating and cooling, and transport) in the European Union (EU).

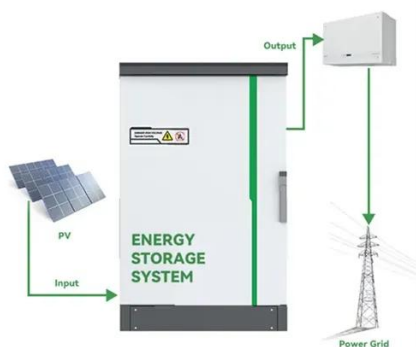


### EU's Power Generation Update: Report

-Solar power generated 22.1% of EU electricity (45.4 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 ...

### [Solar leads EU electricity generation as renewables hit 54%](#)

Across the EU, solar made up 36.8% of renewable generation, followed by wind at 29.5%, hydro at 26%, biomass at 7.3%, and geothermal at 0.4%.



### Solar tops EU power mix in June with record 22% share

Solar accounted for 22% of electricity in the European Union in June, surpassing nuclear as the largest source, while renewables supplied 54% of net power in the second quarter, driven by ...

### Solar: main source of EU electricity in June with 22%

June 2025 was the first month in history where solar energy (22.0%) was the main source of electricity generated in the EU, ahead of nuclear (21.6%), wind (15.8%), hydro (14.1%) and ...



### Total EU-27 Solar PV capacity: a growth story

The cumulative installed solar PV capacity of the EU-27 Member States reached 269 GW at the end of 2023. It has multiplied over 2.500 times since the beginning of the millennium, when the grid ...



## **Solar was EU's leading electricity**



## generation source in Q2 2025

In June 2025, solar energy became the leading source of electricity in the EU for the first time, accounting for 22% of total electricity generated. This exceeded nuclear energy, which ...



## Wind and Solar Dominate EU Electricity Generation For First Time

Wind and solar energy made up a record share of the European Union's (EU) electricity generation in the first half of 2024, overtaking fossil fuels for the first time, a new report has unveiled.

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

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