

European Union solar power generation ranking

Solar energy has established itself as one of the most dynamic pillars of Europe's energy transition. In recent years, its deployment has grown at a remarkable pace, driven by sustained cost ...

About The European Electricity Review analyses full-year electricity generation and demand data for 2025 in all EU-27 countries to understand the region's progress in transitioning from ...

Since then, the European Union's solar capacity surpassed 100 GW in 2018 and reached the 200 GW milestone in 2022. It exceeded 260 GW in 2023, and the growth trend is only expected to continue.

Ranking of EU Countries by Installed Solar PV Capacity (2024). These nations are increasingly investing in solar energy to enhance energy security and transition towards renewable ...

Below is a chart for all countries where data are available.

Germany led the European Union in solar photovoltaic capacity, boasting an impressive ** gigawatts in 2024.

OverviewEU solar energy strategyPhotovoltaic solar powerConcentrated solar powerSolar thermalOrganisationsSee alsoSolar power consists of photovoltaics (PV) and solar thermal energy in the European Union (EU). In 2010, the EUR2.6 billion European solar heating sectors consisted of small and medium-sized businesses, generated 17.3 terawatt-hours (TWh) of energy, employed 33,500 workers, and created one new job for every 80 kW of adde...

To calculate the photovoltaic solar PV capacity per capita in Ireland, the United Kingdom and mainland Europe, we first looked at the overall capacity in each country for which recent data ...

When it comes to solar power per capita, Europe's long-time solar leader, Germany, does not hold the first position. For the second year in a row, the Netherlands ranks first, reaching the remarkable ...

Solar became the EU's largest source of electricity for the first time ever in June, according to a new report from energy think tank Ember.

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