

# What electricity does the EU solar power generator use

Solar energy was the main source of electricity in the European Union for the first time in history in June, according to new figures.

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 added capacity.

EU statistics on electricity generation by source, electricity consumption of households, and the level of liberalisation are presented.

Discover the EU's use of solar generators for renewable energy, powering homes, businesses, and remote areas with clean energy while improving resilience in off-grid and emergency ...

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 ...

Solar has become the EU's main source of electricity, marking a historic turning point in Europe's energy mix as solar power surpasses nuclear and wind, accelerates renewable expansion, lowers carbon ...

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 ...

Eurostat divides solar energy into solar thermal (radiation exploited for solar heat) and solar photovoltaic (PV) for electricity production.

Wind and solar generated a record 30% of EU electricity, higher than fossil power for the first time on record. EU solar generation reached a record 369 TWh in 2025, 20% higher than last ...

Key highlights from the the report "Solar is EU's biggest power source for the first time ever" by EMBER are: -Solar power generated 22.1% of EU electricity (45.4 TWh) in June 2025, more ...

Solar power consists of photovoltaics (PV) and solar thermal energy in the European Union (EU). Solar power is growing in every EU country.

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