

Current status of solar power generation in the UK

OverviewSolar potentialHistoryRooftop solarLarge-scale solar farmsPlanning considerationsGovernment programmesFutureSolar power has a growing role in electricity production in the United Kingdom, contributing around 5% of the UK's annual power generation in 2024. As of 2025, on sunny days, it provides over 30% of the UK's power consumption at times. There were few installations until 2010, when the UK government mandated subsidies in the form of a feed-in tariff (FIT), paid for by all electricity consumers. In the followin...

Despite these operational challenges, the record-breaking solar generation underscores the UK's progress toward a more sustainable energy future. As solar technology continues to ...

More than half of UK electricity generation came from renewables in 2024, a first for annual production in a year which saw solar output hit record highs.

Real-time electricity generation, demand, and carbon intensity data for Great Britain, updated every 5-30 minutes. View the full generation mix or focus on renewables, fossil fuels, low-carbon, or other ...

Solar power generation in Britain so far this year has surpassed the total for 2024 as panels are rapidly installed amid favourable weather, underlining renewable energy's increasing...

But solar-powered electricity rose by nearly a third on 2024 levels, helped by the UK's sunniest year on record and the expansion of solar panels around the country.

As of the end of October 2024, the UK has a total of 17.2GW of solar generation capacity, a 1GW or 6.3% increase since October 2023. Across October 2024, 76MW of capacity was ...

Find the most up-to-date statistics about solar photovoltaic energy in the United Kingdom (UK)

Data from the National Energy System Operator shows that solar sites in the UK generated 7.6 terawatt hours (TWh) of electricity in the first five months of 2025. That's 42 percent ...

The UK's solar farms and rooftops generated more electricity than ever before in the first five months of 2025, as the country enjoyed its sunniest spring on record.

Solar power has a growing role in electricity production in the United Kingdom, contributing around 6.4% of the UK's annual power generation in 2025. [1][2] As of 2025, on sunny days, it provides over 30% ...

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