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Title: The current status of solar power generation in the UK

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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 ...

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 ...

The table above shows electricity production from solar panels as a percentage of the final consumption of electricity in the UK and not gross supply to the grid.

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 in Great Britain had a record-breaking start to 2025, with solar up 32%, to produce a record 9.91 TWh, breaking generation records for five months in a row since March 2025.

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...

Solar farms and rooftop installations across the UK generated 42% more electricity from January to May 2025 compared to the same period in 2024, according to new data from Carbon Brief.

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 current status of solar power generation in the UK

Wind, solar and other renewables hit a new high last year but the government is still some way off its clean power target.

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