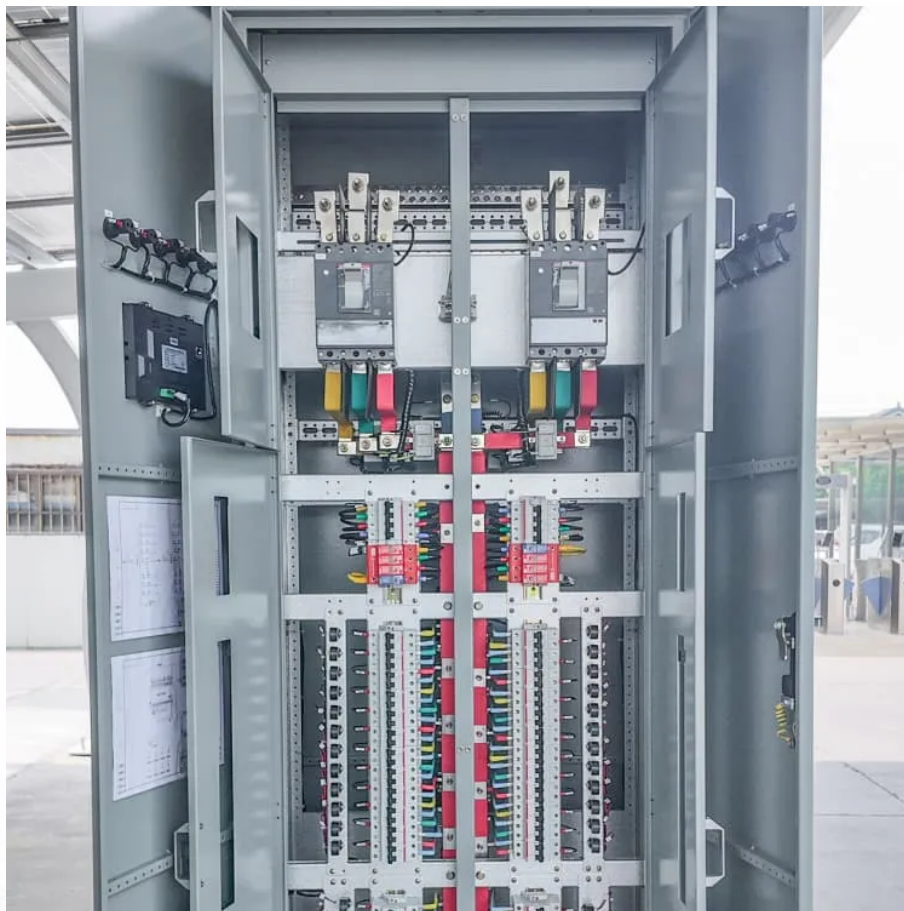


UK solar power generation by 2025





Overview

How much solar power did Great Britain get in March 2025?

Image: RES On 1 April, between 12:30 and 13:00, Great Britain secured a new maximum solar generation record of 12.2GW. The new record comes as March 2025 was deemed by the Met Office as the sunniest March since records began in 1910, with 185.8 hours of sunshine throughout.

How much electricity did UK solar farms generate in 2025?

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. The figures, revealed in new Carbon Brief analysis, show that the nation's solar sites have generated a record 7.6 terawatt hours (TWh) of electricity during January to May 2025.

How much electricity does a solar site generate in 2025?

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 more than the 5.41 TWh generated last year at the same time. It also marks a 260 percent increase over the past decade.

What happened to solar power in 2025?

The leap in solar output in 2025 saw generation reaching a record 7.6TWh in the first five months of the year, up 42% year-on-year. Electricity output from UK solar installations saw particularly big jumps in March – where the 2,320 megawatts (MW) average was up 66% from a year earlier – and in April (3,189MW, up 53%).

How much solar power will the UK have by 2030?

The Labour government of Keir Starmer wants to boost the country's solar capacity to between 45 GW and 47 GW by 2030 as part of plans to generate as much as 95% of the UK's electricity from non-hydrocarbon energy sources.



By Irina Slav for Oilprice.com More Top Reads From Oilprice.com.

What percentage of UK electricity is generated by solar?

In total, solar accounted for 11.6% of UK electricity generation in May 2025, only the fourth time it has ever breached the 10% threshold, after June 2023, June 2024 and April 2025. (Solar topped 10% of monthly global electricity generation for the first time in April this year.)



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[Renewable energy solutions set new Q2 heights for UK electricity](#)

Carbon Brief's analysis on UK solar generation saw that May 2025 set a new monthly record for solar generation in the UK, producing 2.5 TWh and contributing 11.6% of the nation's ...

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