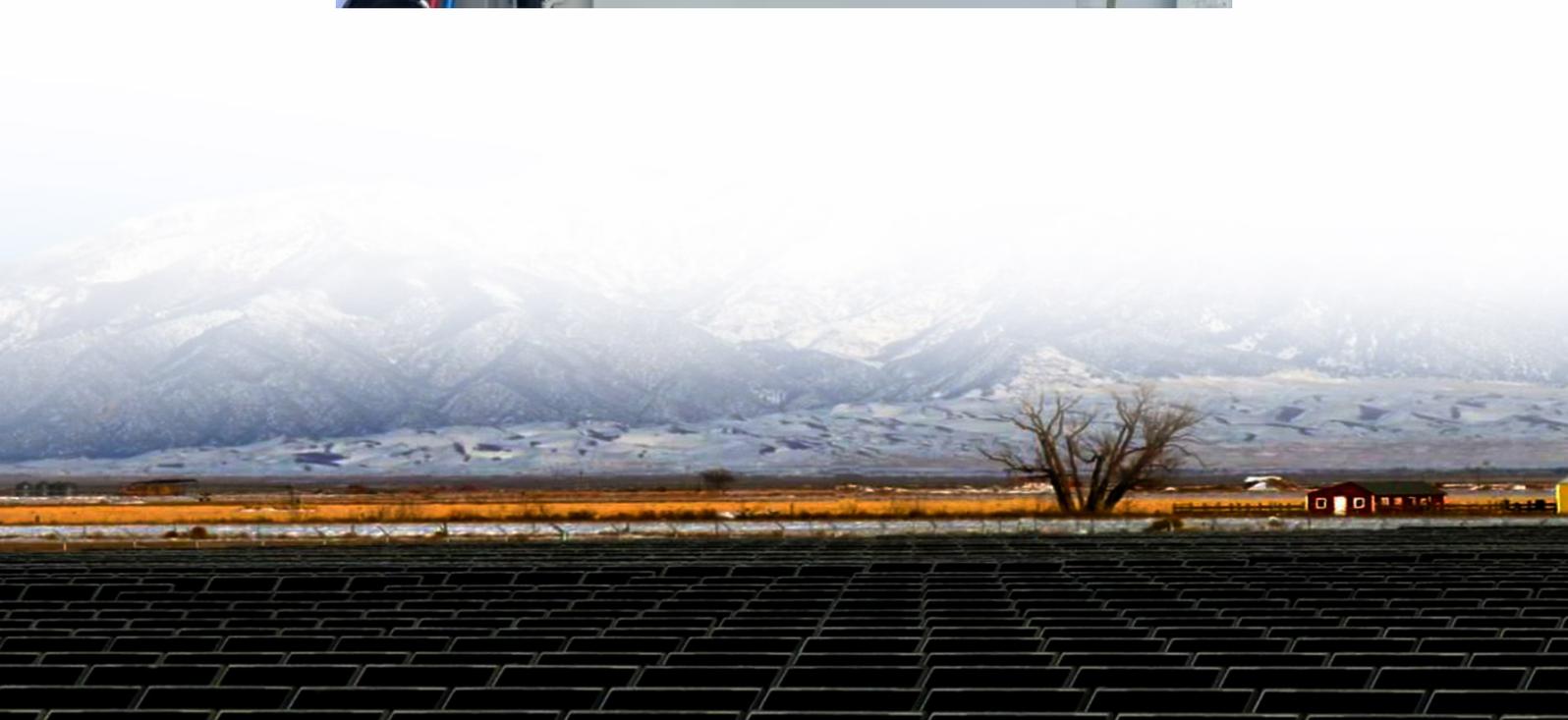




Is the UK short of solar power





Overview

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. 6 terawatt hours. Top-left: solar panels on the BedZED development in the London Borough of Sutton. Bottom: residential rooftop solar PV in Wetherby, Leeds. The UK also just had its sunniest spring since record keeping began in 1910, the Met Office. Experts predict that by 2030, Britain will only produce 44% of its electricity from wind and solar power. Cornwall Insight recently analysed current renewable energy plans and the government's clean energy.



Is the UK short of solar power



[UK on track to miss 2030 clean power targets, research suggests](#)

The UK is set to fall particularly short of meeting its solar power ambitions, with levels expected to reach 29GW compared with the 45-47GW Government target.

[Millions of households to miss out on clean power as UK set to 'fall](#)

Even after scaling down initial projections in a recent action plan, the UK is predicted to fall short by a substantial 32 gigawatts - enough energy to support millions of households. Solar



[UK on course to miss 2030 clean power targets, says report](#)

Britain is on course to fall far short of its targets for developing new solar and wind power despite the government's efforts to lift barriers and boost the industry, according to new



[Solar Power in UK Surges 42% With Sunniest Spring on Record](#)

Solar farms and rooftops in the United Kingdom generated a record 42 percent more electricity from January through May 2025 than during the same period in 2024, according to a new ...

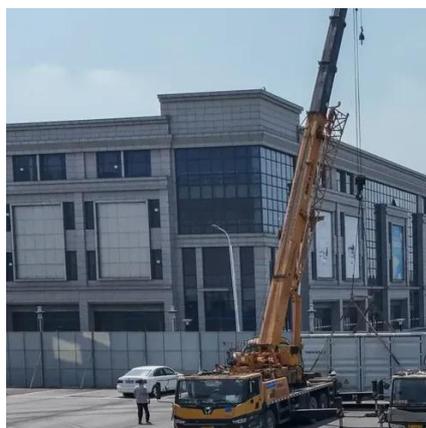


[Britain's renewable energy shortfall: Wind and solar projections ...](#)

Experts have warned that by 2030, Britain is expected to generate 44% of its electricity from wind and solar, falling short of the 67% needed for full decarbonisation.

[UK projected to miss Clean Power 2030 targets by 32 GW](#)

With a 16 GW shortfall, solar PV is set for the biggest underperformance, reaching 29 GW compared with the 45-47 GW government target. Despite the underperformance, Cornwall Insight's ...



[UK Government Falls Short of 2030 Clean Energy Goals](#)

New research has revealed that the UK Government is expected to fall significantly short of its revised Clean Power 2030 targets, despite recent approvals for more than 1 gigawatt (GW) of ...

[Analysis: UK's solar power surges 42%](#)



after sunniest spring on record

The highest UK solar output on record was reached at 13:00 on 6 April, when the technology was delivering 13.2GW of power and meeting 40% of demand for that half-hour period.



UK on course to miss 2030 clean power targets, says ...

Britain is on course to fall far short of its targets for developing ...

The reality of low power UK solar: the numbers don't stack

DESNZ data shows that in 2024, the entire UK solar fleet produced an average of just 9.9% of its total power capacity - essentially, the climate conditions in this country mean that across the year it was ...



Solar power in the United Kingdom

The average size of residential solar PV systems was estimated to be 3.25 kW, and the technical potential for residential solar PV in the United Kingdom was estimated at 41,636 MW.

Solar power in the United Kingdom



Overview Rooftop solar Solar potential History Large-scale solar farms Planning considerations Government programmes Future

As of 2025 about 31% of installed capacity is residential. By 2027 solar will be required on almost all new homes in England. According to a report on behalf of the European Commission, in 2015 the United Kingdom had 2,499 MW of residential solar PV capacity, with 775,000 residential solar PV producers, representing 2.7% of households. The average size of residential solar PV systems was estimated to be 3.25 kW, and the t...





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