



Is the UK suitable for solar power generation

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How much solar power does the UK produce a month?

The amount of electricity generated from solar also hit a new high of 2.5TWh in May 2025, beating April 2025's 2.3TWh into second place. The previous record of 2.1TWh was set in June 2024. The figure below shows the average monthly output of the UK's solar capacity, in MW.

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 energy does the UK need for solar panels?

Source: Carbon Brief analysis of figures from the National Electricity System Operator (NESO). The electricity generated by the UK's solar panels in the first five months of 2025 - at 7.5TWh - is enough to have offset the need for around 16TWh of imported gas.

Is solar still the UK's sixth-largest source of electricity in 2025?

However, solar was still only the UK's sixth-largest source of electricity in 2025 to date, after gas (37TWh), wind (33TWh), imports (18TWh), nuclear (15TWh) and biomass (8.0TWh).

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The deployment of solar also boosts the UK's energy security, through diversifying the energy mix and reducing exposure to international fossil fuel markets.

Poor UK solar energy yields Department for Energy Security and Net Zero data reveals the stark reality: solar power generation delivers exceptionally low yields in the UK climate. On ...

The Green Finance Institute is working with government and industry to facilitate rooftop solar finance for all suitable customers. For commercial owners and landowners, solar is now one of ...

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The UK solar industry has undergone dramatic change over the past year, spurred by a mix of progressive legislation, evolving grid infrastructure, and soaring demand for renewable talent. ...

Renewable Energy Energy used for heat generation from active solar heating in the UK 2010-2024 Renewable Energy Monthly solar PV installation cost in the UK 2016-2023 statistics ...

In 2023, the UK will have installed over 14 GW of solar photovoltaic (PV) capacity, enough to power over 4 million residences. The sector employs approximately 35,000 individuals, generating billions of ...

Good weather and rapidly proliferating farms mean solar generation is at record levels British solar power surges past 2024 total on linkedin (opens in a new window)

The UK Solar Roadmap issued by the UK Government and produced through collaboration with industry presents a comprehensive strategy and clear plan of action to achieve the ...

How much solar does Great Britain use? In 2024, solar energy accounted for 5% of Great Britain's electricity and this figure continues to rise. On 8 July 2025, Great Britain set a record for ...

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