
UK solar Power Generation System

Are solar farms generating more electricity in the UK?

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 analysis by Carbon Brief. The UK also just had its sunniest spring since record keeping began in 1910, the Met Office said.

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 has solar power benefited the UK?

So far, this year's solar electricity output in the UK has avoided gas imports of roughly \$813.9 million, which would have released approximately 6.61 million tons of carbon dioxide. Though this year's solar record was driven partially by the sunniest spring on record, rising capacity also helped.

When did the UK get the most solar power?

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. The UK saw 653 hours of sunshine in the period from 1 March to 31 May 2025, making it the sunniest spring since records began in 1910, according to the Met Office.

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Solar Energy UK 17 December 2025 A record 6.3% of Great Britain's power was supplied by the sun in 2025, according to official figures. The extraordinary 30% rise in ...

The government aims to increase UK solar capacity to 45-47GW by 2030 to meet its goal of 95 per cent of generation coming from clean power sources by then.

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A new report from clean energy think tank Ember has revealed that, so far, 2025 has been the UK's strongest year for solar energy generation on record.

Solar Energy UK recommends using an MCS-accredited company to ensure a high-quality home solar system. The Smart Export Guarantee is the new way to get paid for your power. If you ...

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 ...

Discover the typical electricity output of a solar panel system in the UK - per year, per day, and per hour - as well as what affects it.

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, ...

Record solar power balanced low wind generation in the first half of the year, limiting an initial increase in gas power. Clean power generation in the early summer of 2025 ...

How is more solar power being brought into our electricity systems? Both the UK and US governments are aiming to decarbonise ...

Renewables accounted for majority of annual UK electricity generation for the first time in 2024, with solar enjoying record highs despite fewer sun hours Gains for PV reflect ...

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