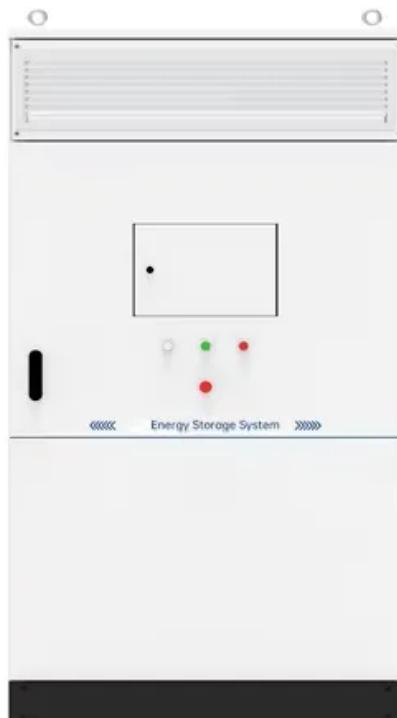


Electricity generated by solar panels in the UK



Overview

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 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.

How many solar panels are there in the UK in 2025?

The UK generated 14.43 billion kWh of solar electricity in 2025, enough to power over 5 million homes. Solar panel installations in the UK hit 1.73 million in 2025, a 6.8% rise from the previous year. Renewables now provide 37% of the UK's electricity, surpassing fossil fuels for the first time.

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Check out the latest renewable energy statistics for 2025, covering the production, consumption, and capacity of the UK's green ...

How much electricity do solar panels produce? Solar panels generate electricity during the day. They generate more electricity when the sun shines directly on the solar ...

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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, ...

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