

# Do the British use solar power to generate electricity



## Overview

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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. [1][2] As of 2025, on sunny days, it provides over 30%. In the first half of 2025, a low-wind start was balanced by record-breaking solar generation. Clean power generation in the early summer of 2025 displaced gas generation -. 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 increased deployed capacity, which hit 18 GW in February 2025 according to the latest government figures. The UK also just had its sunniest spring since record keeping began in 1910, the Met Office. With the UK aiming to reach net zero by 2050, a crucial part of the strategy is to transition to an electricity system with 100% zero-carbon generation and much of this is expected to come from renewable energy.

## Do the British use solar power to generate electricity



### [Analysis: UK's solar power surges 42% after sunniest spring on record](#)

The UK's solar farms and rooftops generated more electricity than ever before in the first five months of 2025.

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

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 ...



### [British solar power surges past 2024 total](#)

Solar power generation in Britain so far this year has surpassed the total for 2024 as panels are rapidly installed amid favourable weather, underlining renewable energy's increasing



### [How much of the UK's energy is renewable? National Grid](#)

Today, there are four main renewable energy sources used to power the UK: wind, solar, hydroelectric and bioenergy. They harness the natural power of the sun, our weather, our waterways and tides, and organic ...



### [A record year for British solar , Ember](#)

Solar power in Great Britain had a record-breaking start to 2025, with solar up 32%, to produce a record 9.91 TWh, breaking generation records for five months in a row since March 2025.



### [Renewable Energy Powers Over Half of UK Electricity in 2024](#)

Official data from the Department for Energy Security and Net Zero shows that wind, solar, hydro and biomass combined to produce 50.4% of the UK's electricity, up from 46.5% in 2023, driven primarily by record ...



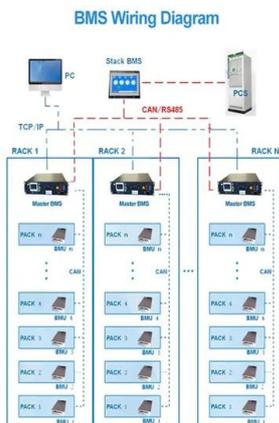
### [Solar power in the United Kingdom](#)

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. [1][2] As of 2025, on sunny days, it provides over 30% of the UK's ...



[Record year for UK solar as renewables generate most electricity](#)

More than half of UK electricity generation came from renewables in 2024, a first for annual production in a year which saw solar output hit record highs.



**Electricity generation**

Today, renewable energy sources (such as onshore and offshore wind, solar, tidal, biomass and hydro) make-up a significant proportion of the electricity mix that powers UK homes and businesses.

[Record year for wind and solar electricity in Great Britain in 2025](#)

In 2025, wind, solar, hydro and biomass generated more than 127 terawatt hours (TWh) of electricity in Great Britain, according to BBC analysis of provisional Neso data.



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