

Solar photovoltaic power generation in the UK



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. [1][2] As of 2025, on sunny days, it provides over 30%. Solar photovoltaic is a renewable energy technology that utilizes sunlight in order to generate electricity. Solar panels are either rooftop fitted or ground mounted and a. This file is in an OpenDocument format For the December 2025 publication, in response to user needs we have added an additional version of Table 1 with a different breakdown of the capacity ranges. The new capacity ranges align better with eligibility criteria for Government schemes such as. 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. 5m homes across our country now have solar installed, and since this Government came to office my department has consented almost 3GW of nationally significant solar projects - nearly three times as much as the previous 14 years.

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British and French solar generation hit new records

UK solar generation records have continued to tumble this year, with a new record of 14GW being set this week

UK Solar Roadmap 2025

Solar energy is among the lowest cost, and most popular, forms of power generation in the UK, and unlocking its potential will increase Britain's energy security, drive down bills as



A record year for British solar

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.

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



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, as the country enjoyed its sunniest spring on record.

Record UK solar generation as capacity increases, sunny hours up

In 2025, solar energy provided a record 6.3% of Great Britain's power following a 30% rise in generation. As confirmed by the trade body for the sector, Solar Energy UK, about 18,314GWh ...



Solar power in the UK

Find the most up-to-date statistics about solar photovoltaic energy in the United Kingdom (UK)



Solar photovoltaics deployment

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Solar photovoltaics deployment

Accredited official statistics Solar photovoltaics deployment Monthly deployment of all solar photovoltaic capacity in the United Kingdom.

Solar power in the United Kingdom

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it provides over 30% ...



Record year for UK solar as renewables generate most electricity - pv

Solar deployment hit 18 GW in the United Kingdom at the end of February 2025, according to the latest DESNZ figures. This represented a 1.1 GW increase in deployed capacity ...

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