

What are the UK solar energy statistics?

Below are 20 solar energy statistics from the UK market, including data on the current and proposed capacity for residential, commercial, and national installations. Click below to jump ahead: 43% of the country's power comes from renewable sources, including solar. 28% of the UK's renewable energy is solar.

How big is solar power in the UK?

Regrettably, solar power's share in the UK's total energy generation remains relatively modest, with the year 2023 seeing it contribute to just approximately 2.3% of the total energy production. The encouraging news, however, lies in the ongoing change, as solar capacity continues to grow year by year.

Is the UK a good place to generate solar energy?

The UK is not known for its warm and sunny climate, so it may not seem an obvious country in which to generate solar energy. However, solar power generation only requires some level of daylight to extract the sun's energy, meaning Britain can still harness solar power during our frequent overcast and rainy days.

How many people work in solar energy in the UK?

13,860 people work in solar energy in the UK, according to the Association for Renewable Energy and Clean Technology's (REA) 2023 report. 3,759 of these employees - around 27% - are in London, though you can find hundreds of solar workers in every region of the UK.

How much solar power does the UK have in 2024?

As of 2024, data from the trade association Solar Energy UK reveals that the United Kingdom's total solar capacity has reached an impressive 15.6 gigawatts (GW). Moreover, the sun's influence on our energy landscape is set to grow, with a remarkable 0.952 GW of solar PV capacity being added across the UK between June 2022 and June 2023 alone.

How many solar homes are there in the UK?

In 2010, there were just 28,211 solar households. That's a 4,862% increase in 14 years. It took just three years to raise this number to 500,000, but another eight years after that to hit a million in 2021. The rate of solar adoption has picked up since then, though - meaning we should hit 1.5 million UK homes with solar panels in early 2025.

According to Solar Energy UK, solar panel performance falls by 0.34 percentage points for every degree that the temperature rises above 25°C. Plus, the longer days and clearer skies mean solar power generates much ...

Solar's new record was set despite lower average daily sun hours across 2024, reflecting increased solar capacity in the United Kingdom. Solar deployment hit 18 GW in the ...

It was predicted that to meet the EU renewable energy targets of a minimum of 42.5% in 2030, the UK needed to increase their dependence on solar power. This ultimately resulted in creating investment and local green jobs ...

Solar energy in the UK explains the UK's solar energy situation. Literature review reviews the relevant solar energy literature. Data sources covers the sources and collection of ...

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Solar Energy UK expects 10% of this to be deployed in Scotland. This will be a major challenge, even with the solar industry demonstrating strong growth. Solar Energy UK analysis shows that the UK can both set and achieve ...

The Connections Reform Annex of the Clean Power 2030 Action Plan was republished in April 2025 to address a misalignment between solar capacity allocations and ...

Solar power will be a key driving force behind the 2030 clean power mission, Energy Secretary Ed Miliband told industry today (Wednesday 2 October) during the first meeting of the government's ...

The UK's solar power landscape is dynamic and rapidly evolving, with cities and regions embracing this clean and abundant energy source. The adoption of solar power is gaining momentum. Solar hotspots like Plymouth, ...

A 4kW solar panel system is suitable for the average home in the UK and costs around £5,000 - £6,000.; The estimated average yearly savings you can expect with a solar panel system range from £440 to £1,005.; If you install a 4kW ...

UK solar demand is part of a major global uptick in PV. At face value, it might look like the UK is unique and special, with its own set of solar ambitions and targets, stimulating post-subsidy growth metrics across ...

Solar parks can help produce the power needed to support the UK's electricity system. In May 2020, along with other forms of solar power, solar parks helped the UK meet ...

Image: Octopus Energy. The latest solar energy statistics from the Department for Energy Security and Net Zero (DESNZ) have revealed that the UK now has over 17GW of installed solar capacity. As of the end of October ...

Solarsense is a UK-based solar energy company that provides solar PV systems, battery storage, and energy-efficient lighting solutions for residential and commercial customers. With a commitment to

sustainability ...

Solar is one of four primary types of renewable energy that the UK is targeting. Wind, which includes both on-shore and off-shore production, is the biggest renewable energy source. Solar power is seasonal and while 1.8% of ...

The real opportunity available to the UK is to deliver clean power by 2030 in a nature positive way, such as rewetting lowland peat soils at the same time as constructing new solar farms or ...

UK Solar Power Market News. September 2023: &#216;rsted announced that the company entered its first solar project in the United Kingdom. The project, which will have a capacity of 740 MW, is located in Nottinghamshire near the border ...

1.5 million homes in the UK have solar panels, as of March 2025, according to government data. In 2010, there were just 28,211 solar households. That's a 5,217% increase in 14 years. It took just three years to raise this ...

Solar panel output: UK vs Europe. Solar panels can produce more than enough electricity in the UK to help people significantly reduce their energy bills, despite the fairly cold and cloudy weather for much of the year. Check ...

UK government statistics show that the country added 871 MW of solar capacity in the first 11 months of 2023. However, the Solar Energy UK trade association says that more than 1 GW of solar was ...

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