

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 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 installations are there in the UK?

During July 2024, there were 16,486 installations in the UK, accounting for 70 MW of capacity. [Department for Energy Security and Net Zero] There is a total of 17.0 gigawatts (GW) of solar capacity in the UK across 1,612,381 installations, as of the end of July 2024. This is an increase of 7.5% (1.2 GW) since July 2023.

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.

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 many buildings in the UK use solar?

1 in every 20 buildings in the UK uses solar technologies. [Solar Energy UK] There are already around two gigawatts of commercial and industrial rooftop solar system capacity installed in the UK. [Solar Energy UK] On a global scale, the renewable energy landscape continues to evolve rapidly, with solar power at the forefront.

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 ...

The UK Solar Power Market is expected to reach 22.88 gigawatt in 2025 and grow at a CAGR of 23.45% to reach 65.59 gigawatt by 2030. Electricite de France SA, Lightsource BP Renewable Energy Investments Limited, Hive Energy, ...

The 730MW of solar generation capacity added in the UK last year means 2021 "was potentially the most significant year to date for the UK solar industry," according to trade body Solar Energy UK.

Renewables now comprise 20.9% of the UK's total energy generation, with wind power playing a significant role as the country is ideally located between the North Atlantic and North Seas.. This strategic position ...

Fig.6: Solar Energy Capacity in the UK 2018 (Source: IRENA Renewable Energy Statistics 2019) Solar energy production in the United Kingdom reached a record-high in the first quarter (Q1) of 2019. The UK solar ...

Record-Breaking Wind Generation. Wind energy continues to shine as a symbol of progress. Offshore wind farms hit a record-high generation of 49.7 TWh, reflecting a continued commitment to expanding wind energy ...

For a clearer picture, let's look at the statistics of solar energy generation by the most popular regions of the UK. Scotland's Solar Energy Statistics in 2021. In 2021, Scotland ...

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 ...

National Statistics. Presents annual UK energy statistics with consistent time series, including solar PV capacity and generation. Based on more comprehensivesurveys ...

Solar panels are the most popular method of collecting solar energy, and US solar power generation reached 145.6 terawatt hours in 2022. The smart solar power market is projected to reach approximately £36.25 ...

Solar power has become an integral part of the UK's renewable energy strategy, as indicated by recent solar power statistics. As of 2011, the UK generated as little as 244 GWh from solar power ...

Premium Statistic Number of solar photovoltaic power plants in Italy 2024, by region Premium Statistic Installed wind and solar power capacity in Poland 2017-2022

Fig.1: The United Kingdom Solar Market Summary (source: mordorintelligence) During the UK solar market forecast (2022-2027) the United Kingdom solar power market is expected to obtain a CAGR of more ...

Domestic Solar Statistics UK. As of January 2025, the UK's solar capacity hit 15.7 GW across 1,454,607 installations, marking a 6.6% increase since January 2023.; According ...

Recently released statistics from the Department for Energy Security and Net Zero (DENZ) show that, in August 2024, the UK's solar photovoltaic capacity surpassed an astonishing 16GW. But what has this ...

How Many People Have Adopted Solar in the UK? The UK has witnessed significant solar PV adoption over the past decade, with government data showing a total of 15.8 GW solar capacity distributed across 1,468,652 ...

National statistics published by the Department for Energy Security & Net Zero (DESNZ) show that by the end of September 2024, there were 1,641,275 solar installations across the UK. This translates to a total of ...

Solar Energy Statistics stated that the smart solar power market is expected to grow to about £36.25 billion by 2031, with a compound annual growth rate (CAGR) of 13.6%.

Solar photovoltaic (PV) energy systems are affordable, reliable, low-impact, and popular. In 2021 they supplied more than 4% of the UK's entire electricity demand, and this could treble by 2030.

UK Department for Business, Energy and Industrial Strategy, Generation of electricity through solar photovoltaic power in the United Kingdom from 2004 to 2022 (in gigawatt hours) Statista, [https ...](https://www.bardzyndzalek.olsztyn.pl)

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