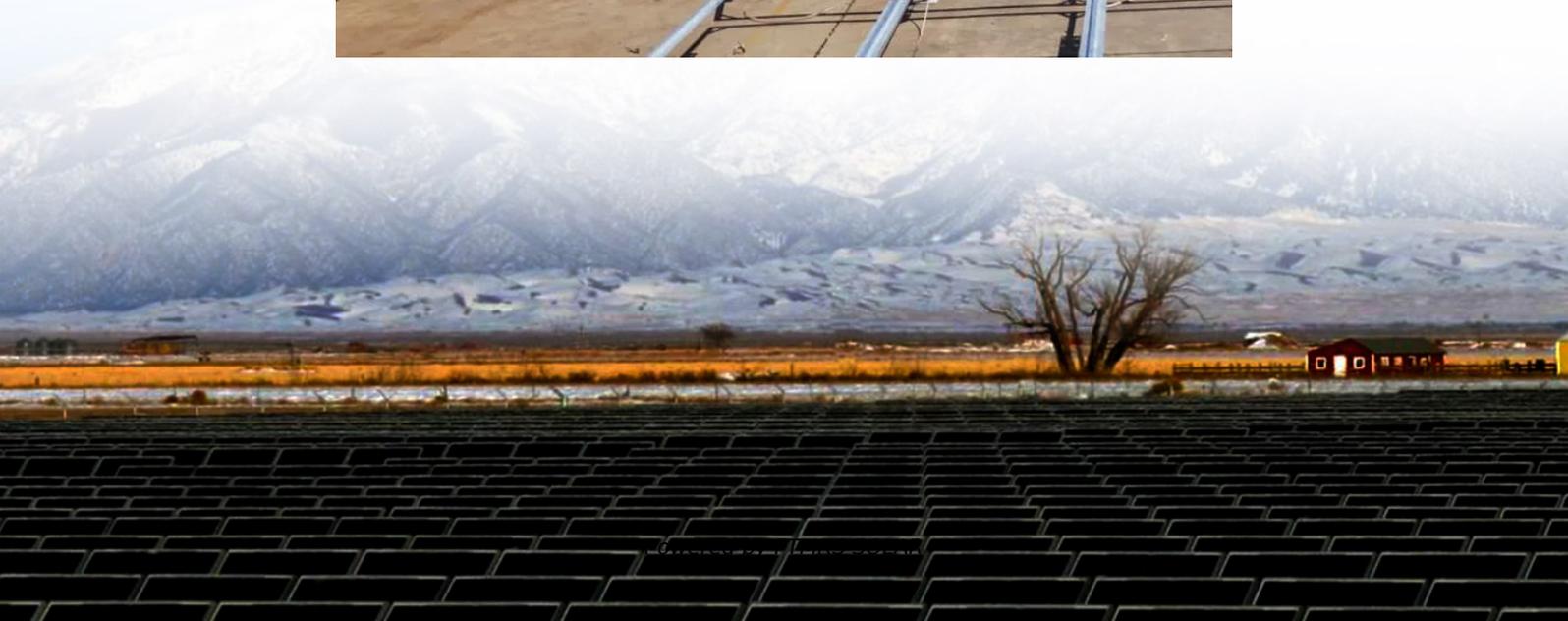


How much are the UK s solar modules exported





Overview

We welcome feedback on our statistics. Please get in touch with us at statistics@businessandtrade.gov.uk if you have any comments or questions. The UK trade in numbers contains the latest published.

How much solar energy does the UK use a year?

As of 2025, the expected solar energy output here in the UK is expected to reach 14.43bn kWh. To put that into perspective, the average home in the UK uses around 2,700 kWh per year, meaning this output could potentially power around 4.8 to 5.3 million homes for an entire year.

How much solar energy should you export?

While system size and tariff rate matter, the biggest factor is often self-consumption, or the proportion of solar energy you use yourself before anything is exported. Most homes export between 30 per cent and 60 per cent of their solar generation unless they have a battery.

What is the EU export value of solar panels?

By contrast, the EU export value of wind turbines (€2.8 billion) was much higher than the corresponding value for imports. The EU import value of solar panels decreased by 43% between 2023 and 2024 (see Figure 2), due to a drop in prices, even though the quantity imported slightly increased by +2%.

How many solar panels are there in the UK?

In the UK, the solar energy capacity has risen from 95 megawatts in 2010 to 18 GW; that's an astonishing 18,847% increase. In February 2025, the UK saw 1,735,000 solar panel installations. A decade ago, in 2015, there were just 839,879 solar energy installations, according to Statistica.



How much are the UK s solar modules exported

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UK Solar Power Market Size & Share Report Analysis 2030

Nov 21, 2025 · The United Kingdom Solar Power Market is expected to reach 19.10 gigawatt in 2025 and grow at a CAGR of 9.45% to reach 30 gigawatt by 2030. Lightsource bp Renewable ...

Export value of solar PV modules by country 2024, Statista

Nov 28, 2025 · In 2024, the export value of solar photovoltaic modules worldwide stood at approximately **** billion U.S.

International trade in products related to green energy

Nov 27, 2025 · In the context of the European Green Deal, analyzing the EU trade in green energy products is crucial for understanding geopolitical dependencies, assessing energy ...

UK Photovoltaic Modules Exports Trends Markets and ...

The UK has emerged as a key player in photovoltaic module exports, driven by its advanced manufacturing capabilities and commitment to renewable energy. In 2022 alone, the country ...

UK trade in numbers (web version)

Nov 20, 2025 · In addition, the UK trade in numbers depicts foreign direct investment (FDI), regional trade statistics, and the UK's position in global trade and investment rankings.



Post-Brexit Guide to Importing Solar Components to the UK

Oct 10, 2025 · Learn how Brexit reshaped UK solar supply chains. Our guide covers customs, tariffs, and rules of origin for importing solar components from the EU and globally.

Smart Export Guarantee: how it works, rates and what solar ...

Dec 5, 2025 · Learn how the Smart Export Guarantee works, who qualifies, current SEG tariff rates and how much UK solar panel owners can earn from exporting surplus energy

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