

Solar power map uk





Overview

Where can I find information about solar power?

For other data formats, resolution or time aggregation, visit Solargis website. The Global Solar Atlas provides a summary of solar power potential and solar resources globally.

What is a solar roadmap?

Request an accessible format. The Solar Roadmap, produced through collaboration with industry, presents a comprehensive strategy and clear plan of action to achieve the significant increase in solar deployment needed to support the delivery of clean power by 2030, as set out in the government's Clean Power Action Plan.

How much solar energy does the UK use?

Currently, all UK solar farms combined occupy less than 0.1% of the total land area. Even if the UK meets its 70 GW solar target by 2035, it would still use less than 0.3%, which is far less than the energy used by agriculture or transport infrastructure.

Where are solar farms found in the UK?

Solar farms in the UK are most commonly found in areas with ample flat land, high solar irradiance, and good access to the National Grid.

What is the irradiance map of the UK?

Solcast's irradiance map of the UK is a beneficial tool for solar professionals. From London to Manchester, get real-time and forecast irradiance and PV data based on three-dimensional cloud modelling. Updated every 5-15 minutes, our data is API-ready. Watch how the weather impacts the solar energy resource in United Kingdom - updated daily.

How many solar installations are there in the UK?



Official statistics on solar deployment indicate that as of the end of May 2025, the UK had a total of 18.9 GW of solar capacity across 1,803,000 installations. At least 43% of capacity (7,710 MW) came from ground-mounted or standalone solar installations, including the two operational solar farms accredited on Contracts for Difference (CfD).



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Solar Mapping of the UK , Marley

Marley's Solar Readiness Map has been designed to provide clear insights into the UK's readiness for solar energy adoption. Whether you're planning on installing solar roof tiles, interested in sustainability, or just curious about ...

Solar power in the United Kingdom

Solar power has a growing role in electricity production in the United Kingdom, contributing around 5% of the UK's annual power generation in 2024. [1] As of 2025, on sunny days, it provides over 30% of the UK's power consumption at ...



[Powering Up Britain , High-Level Analysis](#)

The accompanying Energy Security Plan re-stated and reaffirmed the Government's commitment to 70GW by 2035, with the announcement of a 'solar taskforce', designed to enable the delivery of the solar target further and ...

[Solar PV potential in the United Kingdom by location](#)

Explore the solar photovoltaic (PV) potential across 875 locations in the United Kingdom, from Baltasound to Helston. We have utilized



empirical solar and meteorological data obtained from NASA's POWER API to determine solar PV ...



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