

# **Solar energy map uk**





## Overview

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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.

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 Marley's solar readiness map?

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 renewable energy, our map shows how prepared UK regions are for a solar-powered future.

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.

How much land do solar farms need in the UK?

According to Solar Energy UK, if the UK were to reach its 70 GW solar target by 2035: It would require approximately 0.3% of UK land, which is less than the land currently used for golf courses. Existing solar farms occupy just 0.08% of land, compared to 70% for agriculture and 8% for urban



development.

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.



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### [Solar Irradiance Map of United Kingdom . Solcast\(TM\)](#)

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### [Sunshine Hours Map UK - PYMI Solar Systems](#)

Resource for Sunshine Data: The Energy Saving Trust provides a valuable map detailing the average annual sunshine hours across different UK regions, which can be a handy reference for potential solar panel owners.



### **Introducing SolarPulse: Real Data. Real Insights. Real ...**

27 March 2025 Solar Energy UK is proud to announce its new market intelligence platform SolarPulse. SolarPulse provides critical information on over 4,000 utility-scale solar photovoltaic and battery energy storage projects across the ...

### [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 ...



### [A sector overview 2024 o Solar Energy UK](#)

Written in collaboration with Energy UK and RenewableUK in response to Department for Environment, Food and Rural Affairs' (Defra) fourth round of Adaptation Reporting Power (ARP4) on behalf of the energy generation sector, ...



### **Live UK Electricity Generation, Carbon Intensity & Demand - Energy**

Real-time electricity generation, demand, and carbon intensity data for Great Britain, updated every 5-30 minutes. View the full generation mix or focus on renewables, fossil fuels, ...



### **Solar Mapping of the UK , Marley**

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