



World Solar Power Data





Overview

The Global Solar Power Tracker is composed of worldwide facility-level data on utility-scale (1 MW+) solar photovoltaic (PV) and solar thermal facilities, as well as country-aggregated distributed (<1 MW) solar PV data. Welcome to Global Solar Atlas v2. Start exploring solar potential by clicking on the map. Calculate energy production for selected sites. The utility-scale data covers all operating solar farm phases with capacities. Ember (2026); Energy Institute - Statistical Review of World Energy (2025) - with major processing by Our World in Data This dataset contains yearly electricity generation, capacity, emissions, imports and demand data for European countries. You can find more about Ember's methodology in this. In 2024, between 554 GWdc and 602 GWdc of PV were added globally, bringing the cumulative installed capacity to 2. China continued to dominate the global market, representing ~60% of 2024 installs, up 52% y/y. The IEA reported Pakistan's rapid rise to.



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[Global Market Outlook for Solar Power 2025-2029](#)

Solar accounted for 81% of all new renewable energy capacity added worldwide. While remaining a modest contributor to overall electricity generation for now, solar's share rose to 7% in ...

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Spring 2025 Solar Industry Update

Spring 2025 Solar Industry Update David Feldman, National Renewable Energy Laboratory (NREL) Jarett Zuboy, NREL Krysta Dummit, Solar Energy Technologies Office Matthew ...

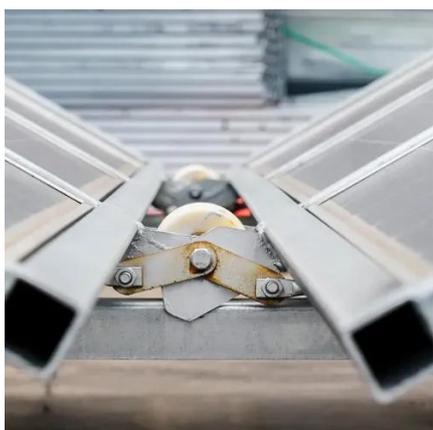
NASA POWER , Homepage

Reliable analysis-ready data from NASA Earth observations, modeling, and scientific expertise to inform decisions in energy, infrastructure, and agriculture.



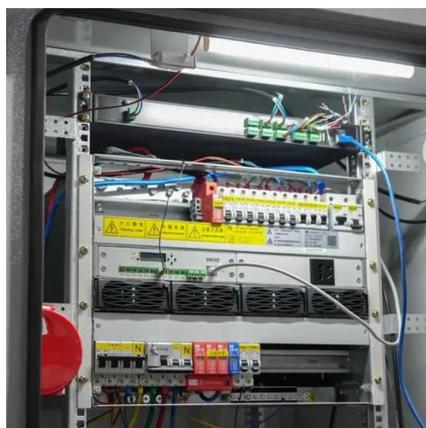
Solar power generation, 2025

At the link below you can find a detailed description of the structure of our data pipeline, including links to all the code used to prepare data across Our World in Data.



Solar Power by Country 2026

Data and analysis including a list of solar power in every country in the world, countries with the most solar power, and countries that generate the highest percentage of their electricity from solar power.



Global Solar Atlas

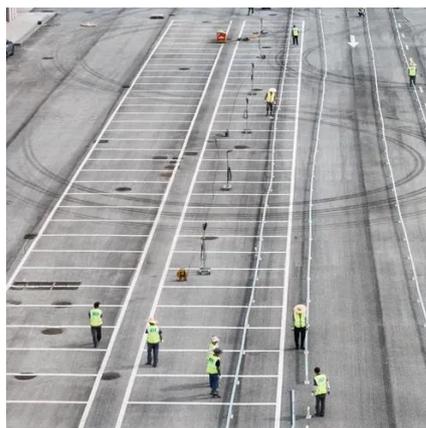
The Global Solar Atlas provides a summary of solar power potential and solar resources globally.



[Solar energy status in the world: A comprehensive review](#)



A comparison of the solar power status among countries and territories has been provided, considering their concentrated solar power and PV installed capacities for each continent.



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Solar power by country

The worldwide growth of photovoltaics is extremely dynamic and varies strongly by country. In April 2022, the total global solar power capacity reached 1 TW, increasing to 2 TW in 2024. The top ...



Global solar energy outlook

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