



Global solar power generation line chart





Overview

Global electricity generation by renewable energy technology main case, 2023 and 2030 - Chart and data by the International Energy Agency. 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. 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. The utility-scale data covers all operating solar farm phases with capacities. Create a free IEA account to download our reports or subscribe to a paid service. Start exploring solar potential by clicking on the map. Calculate energy production for selected sites. We use cookies to give you the best experience while visiting our website. Total electricity from all sources consumed globally in 2022 was ~29 170 TWh, representing 17.



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[Global electricity generation by source, 2014-2025 - Charts - Data](#)

Global electricity generation by source, 2014-2025 - Chart and data by the International Energy Agency.

[35 Latest Solar Power Statistics, Charts & Data \[2026\]](#)

In this article, with the help of charts and key statistical data, we reveal the latest solar power statistics that demonstrate how the industry has grown so far, and the outlook and potential for ...



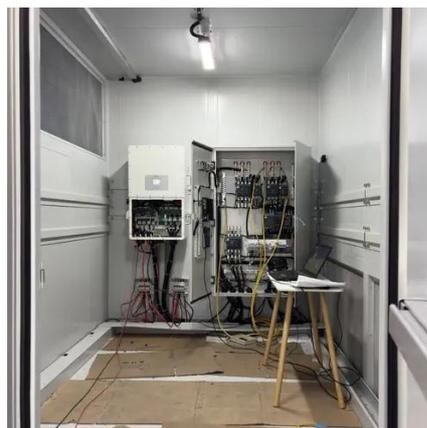
[Global electricity generation by renewable energy technology main ...](#)

Global electricity generation by renewable energy technology main case, 2023 and 2030 - Chart and data by the International Energy Agency.



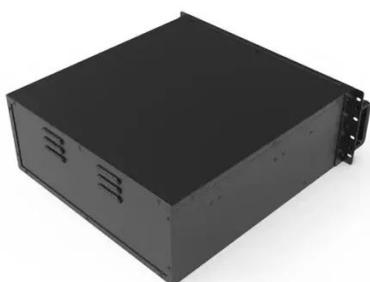
Global Market Outlook for Solar Power 2025-2029

There is no doubt that solar power has become the driving force of the global energy transition. Looking ahead, however, there remain challenges that must be addressed for solar to ...



Solar power generation, 2025

This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200 geographies. You can find more about Ember's methodology in this ...



Global Solar Atlas

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



[Global Progress Toward Renewable Electricity: Tracking the Role ...](#)

Pie charts showing global share of net expansions of electricity-generation capacity by technology for the indicated years. Data taken from Tables II and IX and summarized in Tables III-VII (see ...

Renewable Capacity Highlights 2025



Solar, in line with the previous year, accounted for the largest share of the global total, with a capacity of 1 865 GW. Renewable hydropower¹ and wind energy accounted for most of the remainder, with total ...

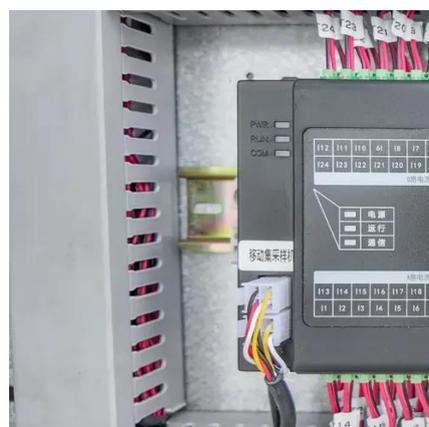


Global Solar Power Tracker

Each solar facility included in the tracker, as well as each country/area with distributed solar capacities, is linked to a wiki page on the GEM wiki. The most recent release of this data was in February 2026. ...

Electricity production by source, World

Renewable energy generation Line chart
 Renewable energy investment Share of cars currently in use that are electric
 Share of direct primary energy consumption by source Share of electricity generated ...





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