

The proportion of solar power generation in my country



Overview

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. By the end of 2023, photovoltaic solar arrays provided an estimated 6.5% to 7% of the world's electricity, marking a continued rise in its contribution to global energy generation. According to the 2022 edition of the annual report published by SolarPower Europe, “global solar capacity doubled in 3. 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 document. It is widely cited — and widely misunderstood — because many readers silently substitute a different idea: In 2023, United States used 4,200 TWh of energy. The grid mix includes 21% renewables and 17% nuclear, resulting in an emissions intensity of 300 g/kWh.

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Solar Energy Statistics By Country, Costs And Economics

China leads the world in solar power production, with 307.9 gigawatts, followed by the United States (95.9 GW), Japan (74.2 GW), Germany (58.5 GW), and India (49.7 GW).

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 ...



48V 100Ah



**100KW
232KWh**

INDUSTRIAL AND COMMERCIAL
ENERGY STORAGE

Solar power by country

Overview
Global use
figures
Africa
Asia
Europe
North America
Oceania
South America

Many countries and territories have installed significant solar power capacity into their electrical grids to supplement or provide an alternative to conventional energy sources. Solar power plants use one of two technologies: o Photovoltaic

(PV) systems use solar panels, either on rooftops or in ground-mounted solar farms, converting sunlight directly into electric power.

Share of electricity production from solar, 2025

About this data Share of electricity generated by solar power Measured as a percentage of total electricity produced in the country or region.



Solar Energy Generation by State Report February 2026

California once again takes first place among the top states generating electricity from solar power this month. The Golden State produced 21.4% of the United States' total of 24,519 thousand ...

Global Renewable Energy Share & Clean Power Trends

Explore global renewable energy share with interactive data. Compare countries, track solar, wind and hydro growth, and understand the shift toward clean, sustainable power.





Top 100 Countries by Share of Renewable Energy in Power ...

This ranking tracks the share of electricity generated from renewable sources (hydro, wind, solar, bioenergy and other renewables) as a percentage of a country's total electricity generation.

Top 50 Countries That Use the Most Solar Power as a Percentage of ...

Solar power is the fastest-growing renewable energy source in the world. But what country uses the most solar power? The leader in solar energy is China, at 306,973 MW total solar capacity, but that's ...



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 ...

Renewable energy statistics 2025

Newsletter The International Renewable

Energy Agency (IRENA) produces comprehensive, reliable datasets on renewable energy capacity and use worldwide. Renewable energy statistics 2025 ...



Solar Power by Country 2026

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