



The share of solar power generation in various countries around the world

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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 photovoltaic capacity has grown from around 40 gigawatts in 2010 to approximately 2.2 terawatts in 2024. Only in that last year, installations increased by almost 40 ...

Explore the top solar power countries in 2025, including China, the U.S., India, Japan, and Germany, plus emerging leaders like Brazil and Australia, driving the global shift to sustainable ...

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 ...

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.

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 ...

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 ...

4.4% of our global energy comes from solar power. China generates more solar energy than any other country, with a current capacity of 308.5 GW. The US relies on solar for 3.9% of its ...

OverviewEuropeGlobal use figuresAfricaAsiaNorth AmericaOceaniaSouth AmericaEuropean deployment of photovoltaics has increased considerably since the year 2010. Cumulative solar PV capacity in the European Union reached over 300 GW in 2024, with industry projections anticipating total capacity more than doubling

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by 2030, which would take solar power's share in EU electricity generation (9.2% in 2023) over 20%. Outside of the EU, similar growth in solar power is taking place in the United Kingdo...

Renewable energy statistics 2025 provides datasets on power-generation capacity for 2015-2024, actual power generation for 2015-2023 and renewable energy balances for over 150 countries and areas for ...

Data and analysis including a list of solar power in every country in ...

Growth in utility-scale and distributed solar PV more than doubles, representing nearly 80% of worldwide renewable electricity capacity expansion. Low module costs, relatively efficient permitting processes ...

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