

Title: World solar power generation share

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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 ...

OverviewNorth AmericaGlobal use figuresAfricaAsiaEuropeOceaniaSouth AmericaSarnia Photovoltaic Power Plant near Sarnia, Ontario, was in September 2010 the world's largest photovoltaic plant with an installed capacity of 80 MWp. until surpassed by a plant in China. The Sarnia plant covers 950 acres (380 ha) and contains about 10.3 million sq feet / 966,000 square metres (96.6 ha), which is about 1.3 million thin film panels. The expected annual energy yield is about 1...

Photovoltaic systems account for the great majority of solar capacity installed in the world. CSP represents a minor share of solar power capacity, and is present in significant quantities only in a few ...

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 ...

In 2022, 4.6% of the world's electricity generation came from solar energy, an increase from the previous year. China consumed the largest share of the world's solar energy at 32.3%, with ...

Global Solar Power Tracker The Global Solar Power Tracker is composed of worldwide facility-level data on utility-scale (1 MW+) solar photovoltaic ...

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.

Governments, industries, and communities are now better positioned to meet the ambitious target of having 25% of global electricity generated from solar power by 2030.

Solar PV accounted for 17.6% of the world's electricity generation in the first nine months of 2025. Image:



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American Public Power Association, Unsplash.

Find up-to-date statistics and facts on the global solar photovoltaic industry.

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.

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