

# Where the most solar power is generated

20 ft container



40 ft container



## Overview

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due its geographical and climate properties is well-suited for the solar energy utilization. According to the the country is capable of producing 1850 kWh/m per year. For comparison European countries are capable of around 1000 kWh/m per year on average. Two main panel types utilized in are the and panels. The .

## Where the most solar power is generated

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### Where is Solar Energy Used the Most Worldwide? , EnergySage

We consulted several reports to determine which countries use the most solar energy and which parts of the world have the highest solar production capabilities.

### Top 10 countries producing the most solar power in 2025

China, the US, and India dominate solar power in 2025, producing most of the world's clean electricity from sunlight. These ten nations collectively account for more than two-thirds of



### Solar explained

In general, the intensity of solar radiation at any location is greatest when the sun is at its highest apparent position in the sky-at solar noon-on clear, cloudless days.

### [Top Solar Power Countries in 2025: Leading the Global Renewable](#)

The top five countries are China, United States, India, Japan, and Germany, based on solar power generation and installed capacity. Emerging leaders include Brazil, Australia, and Spain,



### Solar power by country

OverviewAsiaGlobal use figuresAfricaEuropeNorth AmericaOceaniaSouth



America

Armenia due its geographical and climate properties is well-suited for the solar energy utilization. According to the Ministry of Energy Infrastructure and Natural Resources of Armenia the country is capable of producing 1850 kWh/m per year. For comparison European countries are capable of around 1000 kWh/m per year on average. Two main panel types utilized in Armenia are the photovoltaic and thermal solar panels. The

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### Which countries use the most solar energy? [Top 13, 2026]

China is undoubtedly the global leader in solar energy generation and consumption, boasting an installed capacity of over 393GW in 2022 - a significant portion of the world's total solar

### 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.



### Where is the most solar power generated? , NenPower

Desert regions around the globe hold incredible potential for solar power generation. Locations such as the Middle East and North Africa showcase ideal conditions for solar farms due to

## 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



## Where is Solar Power Used the Most in 2024?

China uses the most solar energy and also produces most of the solar panels in the world. The United States is the second largest producer of solar energy and is rapidly growing its solar manufacturing

### [Chart: Which countries get the most power from solar and wind?](#)

Wind and solar are on the rise worldwide - here are the 10 countries that rely on the clean-energy sources most for their electricity. All of these countries used wind and solar to produce



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