

My country ranks first in the world in solar container capacity





Overview

According to the International Energy Agency Snapshot 2024, China alone accounted for over 60% of new global photovoltaic capacity in 2023, with the top 10 countries collectively representing a significant majority of the market. According to a 2024 report by the World Bank, off-grid solar has the potential to bring electricity to nearly 400 million people worldwide for the first time by 2030. Nearly every country in the world has the right combination of geographic conditions, weather, and sunlight to generate all the. The average for 2022 based on 189 countries was 5.64 million kilowatts. The highest value was in China: 393.03 million kilowatts and the lowest value was in Bermuda: 0 million kilowatts. The indicator is available from 2000 to 2023. Below is a chart for all countries where data are available. In 2025, several nations across Africa, the Middle East, and Central America have emerged as strategic hotspots for solar energy investment due to their exceptionally high Global Horizontal Irradiation (GHI) levels. Namibia ranks first receiving 6.3 kWh/m²/day of GHI followed by Chad with 6.295. In April 2022, the total global solar power capacity reached 1 TW, increasing to 2 TW in 2024. The top installers of 2024 included China, the United States, and India. The following table lists these data for each country: Total generation from solar in terawatt-hours. Percent of that country's. With 671 GW of prospective solar capacity, China alone represents nearly 35% of the global pipeline, more than the next five countries combined. Countries like Mauritania, and Colombia have entered the top 15 recently. The top 15 countries account for over 80% of all planned solar capacity. The. Global renewable energy deployment continued its robust growth in 2024, with solar and wind capacity increasing by a near-record 23% to almost 3 TW. Solar and wind continue to dominate, representing 86.7% of new global capacity additions in 2024. Capacity has grown more than fourfold (466%) between.



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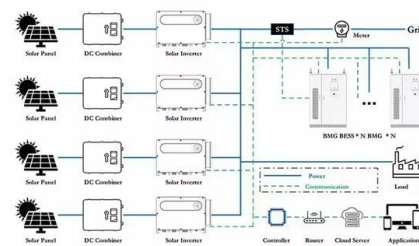


The Best Solar Power Countries in the World Will Shock You

In terms of cumulatively installed solar power capacity in 2024, the best solar PV market in the world was the Netherlands, with Australia and Germany getting silver and bronze.

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

The leader in solar energy is China, at 306,973 MW total solar capacity, but that's due to its colossal size; solar power accounts for only around 3.5% of total ...



EnergyRanked: The 15 Countries with the Most Solar

Our latest visualization, sourced from the Energy Institute's Statistical Review of World Energy 2024 report, highlights the top 15 nations in solar installations as of 2023.

Visualizing Future Solar Power Capacity by Country

This visualization breaks down total solar power by country, combining both operational and prospective (planned) projects. The data for this visualization comes from the Global Energy ...



Solar PV capacity by country

The capacity installed in each individual country listed ranges from a few dozens to dozens of thousands of megawatts. Starting from 2015, China has been ranking first in the race permanently.

Top 15 Countries with the Brightest Solar Potential in 2025

Namibia ranks first receiving 6.3 kWh/m²/day of GHI followed by Chad with 6.295 kWh/m²/day; offering some of the world's best solar potential. Oman (6.220), Niger (6.195), and ...



Solar electricity capacity by country, around the world

The average for 2022 based on 189 countries was 5.64 million kilowatts. The highest value was in China: 393.03 million kilowatts and the lowest value was in Bermuda: 0 million kilowatts. The ...



Solar PV capacity additions in selected countries and regions, highest

Solar PV capacity additions in selected countries and regions, highest on record, 2025 and 2030 in the Net Zero Scenario - Chart and data by the International Energy Agency.



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 ...

Top Solar & Wind Deployment by Country

Three of the top countries in terms of total capacity - Germany, Spain, and the UK - were also among the world leaders in percentage of domestic generation from wind and solar at 42.9%, ...



The top global solar power potential hotspots

China is by far the number one global solar power producer in terms of installed capacity, but is 150th on the list of nations ranked by the World Bank in terms of photovoltaic (PV) ...





Tracking World Solar Installed Capacity & Leading Countries

Discover the latest trends in world solar installed capacity, the top countries leading the solar energy revolution, and the future of global solar power growth



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