



Solar and wind power generation ranking

114KWh ESS



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Overview

In 2023 China produced 32% of global renewable electricity, followed by the United States (11%), Brazil (7). Renewable investment reached almost \$500 billion globally in 2022, amounting to 83% of new electric capacity that year. 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. It is widely cited — and widely misunderstood — because many readers silently substitute a different idea: Electricity generation from solar and wind, measured in terawatt-hours. Solar energy is typically harnessed using either. Wind and solar are on the rise worldwide — here are the 10 countries that rely on the clean-energy sources most for their electricity. Solar and wind continue to dominate, representing 86.7% of new global capacity additions in 2024. Capacity has grown more than fourfold (466%) between. • Brazil becomes second largest market and joins top 5 wind power nations The full report as of 23 April 2025 can be downloaded here as PDF file Bonn (WWEA) – In 2024, new wind turbine installations fell far short of expectations, reaching 121'305 Megawatt, slightly less than in 2023, when 121'465.

Article Content

Solar and wind power generation, 2025

This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200 geographies. You can find ...

Who are the solar and wind champions?

In a new monthly column for pv magazine, the International Solar Energy Society (ISES) reveals that Sweden, Australia, Netherlands, Germany ...

Solar Power by Country 2026

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

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

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

These 10 countries are winning the global clean energy ...

Solar and wind power are expanding across the globe, but who is producing the most clean energy?

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 ...

Chart: Which countries get the most power from solar ...

Chart: Which countries get the most power from solar and wind? These two clean energy sources are growing quickly around the world. Here are ...

List of countries by renewable electricity production

The "Renewables" column indicates the percent of that country's overall electric generation that was renewable. Links for each location go to the relevant electricity market page, when available.

Global Statistics

These countries demonstrate that the world as a whole can achieve a 40-50% share of wind power in total electricity generation, as outlined by the WWEA in a long-term scenario.

Global Electricity Review 2024 | Ember

In 2023, growth in solar and wind pushed the world past 30% renewable electricity for the first time. Renewables have expanded from 19% of global electricity in 2000, driven by an increase in ...

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