

Wind power and solar energy around the world

How much wind power does the world have?

According to preliminary statistics published today by the World Wind Energy Association, global wind power capacity has now reached 1'173'581 Megawatt- well below the estimates published by WWEA in autumn 2024.

Does China have a role in global wind power development?

With this impressive new capacity, China accounts for 72% of the global market for new wind turbines - a steady increase from 65% in 2023 and 58% in 2022. Although also China also fell slightly short of the expected new capacity of nearly 100 GW, the record cements China's dominant role in global wind power development.

Which country has more solar & wind compared to other countries?

In the first six months of the year, China added more solar and wind than the rest of the world combined, and its fossil fuel generation fell by 2%, the report said. India saw record solar and wind growth that outpaced the growth in demand. India's fossil fuel generation also dropped.

Which countries produce the most solar power?

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%, 43.3%, and 35.5%, respectively.

Ember (2026); Energy Institute - Statistical Review of World Energy (2025) - with major processing by Our World in Data. "Electricity generation from solar and wind power" [dataset].

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. Given ...

What's interesting here? To me, two things are interesting here. For one, it's interesting to see how much solar PV power capacity is expected to outgrow wind power capacity in the coming ...

Figure 3 The most recent release of the Global Solar Power Tracker and the Global Wind Power Tracker shows that the wind and solar pipeline in China grew from 1.2 TW to 1.5 TW in 2025. Countries ...

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 ...

Weight of solar and wind in electricity production data. Data for solar and wind renewable energies in electricity production available in a map and excel file by country level.

Worldwide solar and wind power generation has outpaced electricity demand this year, and for the first time on record, renewable energies combined generated more power than coal, ...



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Renewables 2025 - Analysis and key findings. A report by the International Energy Agency.

Wind -and- solar energy represents a powerful fusion of two prolific renewable sources of clean electricity: wind power and solar power. Both harness the natural elements, where wind ...

Global renewable energy capacity grew by a record-breaking 15.1% in 2024 to reach 4,448 gigawatts (GW). Around the world, an additional 585 GW of power was added, largely due to ...

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