

Solar Energy South Africa

Ranking of wind power generation throughout the year



Overview

Which countries produce the most wind energy in 2022?

In the context of regional growth, the Middle East, Latin America, South East Asia, and Africa saw their combined contributions to wind power generation increase from 8% to a promising 10% in 2022. China, the global leader in wind energy generation, produced a staggering 466.5 MWh in 2022, accounting for over 40% of the world's wind energy.

Which country produces the most wind power?

Key findings from the data include: China continues to dominate wind power generation with 466.5 MWh, followed by the United States at 341.4 MWh, and Germany at 132.1 MWh.

Which country has the most wind power installed in 2023?

In the past years, wind energy installations have been growing rapidly. In 2023, the total wind power capacity installed worldwide surpassed one terawatt, growing by more than 100 gigawatts in comparison to the previous year. China is the leading country in terms of cumulative wind installations and newly installed wind power capacity.

How much wind power does the United States have?

In another major milestone, the United States passed 150 Gigawatt of total wind capacity, but the market was much weaker than in the previous year, adding only 6,4 Gigawatt - much less than in 2022 and in 2021, when 13,7 GW were added, more than double the capacity of 2023.

How many GW of wind power are there in 2022?

The worldwide total cumulative installed electricity generation capacity from wind power has increased rapidly since the start of the third millennium, and as of the end of 2022, it amounts to almost 900 GW.

How much wind power does the world need?

The world's installed wind power capacity now meets around 10% of global electricity demand – another important milestone. More than ten countries now have a wind power share of more than 20%, led by Denmark, which generates an astonishing 56% of its electricity from wind.

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[Wind Power by Country 2024](#)

China continues to dominate wind power generation with 466.5 MWh, followed by the United States at 341.4 MWh, and Germany at 132.1 MWh. Denmark, while ranking 15th in total wind power generation, leads the world in terms of the ...

Electricity generation, capacity, and sales in the United States

Electricity generation capacity. To ensure a steady supply of electricity to consumers, operators of the electric power system, or grid, call on electric power plants to produce and supply the right ...



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Wind Energy Yearbook 2021: an analysis of the ...

Spanish wind power is the fifth power in the world in the ranking of countries with the highest installed wind power and the second in Europe. In 2020, 1,720 MW of wind power were installed. This figure, being a ...

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