



Millions of wind power generation



Overview

This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200 geographies. You can find more about Ember's methodology in this document. Wind power or wind energy is a form of renewable energy that harnesses the power of the wind to generate electricity. It involves using wind turbines to convert the turning motion of blades, pushed by moving air (kinetic energy) into electrical energy (electricity). Frequently Asked Questions The land-based wind industry supports over 275,000 jobs. The world's wind power sector recorded strong growth in the first half of 2025, with global installations rising by 64% compared to the same period of 2024. A total of 72,2 gigawatts (GW) of new capacity were added between January and June 2025, following 44,1 GW installed in the first half of 2024. Wind turbines use blades to collect the wind's kinetic energy. The list below highlights the. In 2025, 464.



Article Content

WWEA Half-year Report 2025: Global Wind Power Growth ...

Global Wind Power Growth Accelerates in the First Half of 2025. The report can here be downloaded in pdf format.

Key US wind power trends and metrics to track | Reuters

Current installed wind generation capacity in the U.S. is roughly 152 gigawatts (GW), according to the U.S. Energy Information Administration (EIA). ...

Top 13 Largest Wind Farms in the World by Capacity

Explore the top 13 largest wind farms in the world by capacity, with key facts, stats, and global clean energy insights.

Global wind power market

In 2024, the total wind power capacity installed worldwide surpassed 1.1 terawatts, growing by more than 100 gigawatts in comparison to the previous ...

Wind power in the United States

In 2019, wind power surpassed hydroelectric power as the largest renewable energy source in the U.S. In March and April of 2024, electricity generation from ...

Wind Energy Factsheet

Wind supplies 57% of Denmark's electricity generation and over 20% in ten other countries. 7 Global wind additions reached a record 117 GW in 2023. 7 In 2024, ...

Wind Power Facts and Information | ACP | ACP

Millions of people around the world live and work near wind farms without issue, and the Lawrence Berkeley National Laboratory found 92% of people living within five miles of a wind turbine report ...

Electricity generation from wind

Total annual U.S. electricity generation from wind energy increased from about 6 billion kilowatthours (kWh) in 2000 to about 434 billion kWh in 2022. In 2022, wind turbines were the source ...

Share of electricity production from wind, 2025

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

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