

# Wind power installed capacity annual power generation



## Overview

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Bonn (WWEA) - The year 2023 ended with a new record for new wind turbine installations: In total, the world added 116'065 Megawatt of new capacity within one year, more than ever before. 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. The world saw a dramatic drop in new installed capacity outside of China: While all. Wind energy generation, measured in gigawatt-hours (GWh) versus cumulative installed wind energy capacity, measured in gigawatts (GW). Data includes energy from both onshore and offshore wind sources.

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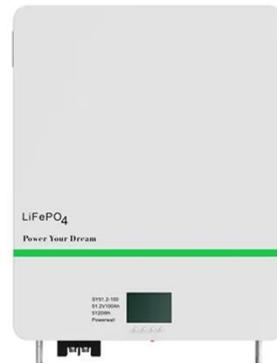
### Global cumulative installed capacity of wind power 2024, Statista

China is by far the largest installer of wind power in the world, more than tripling the second-ranked United States. As of the end of 2024, China had cumulatively installed over 561 ...

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### Wind Energy Growth , Energy Markets & Planning

Explore the tabs above to see interactive maps and charts of annual growth, cumulative installations, and share of generation by state and region. For more information on land-based wind energy from ...



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### Wind energy generation vs. installed capacity, 2024

Wind energy generation, measured in gigawatt-hours (GWh) versus cumulative installed wind energy capacity, measured in gigawatts (GW). Data includes energy from both onshore and offshore wind ...

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## Renewable energy statistics 2025

Data on renewable power capacity represents the maximum net generating capacity of power plants and other installations that use renewable energy sources to produce electricity.

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## Installed wind energy capacity

Cumulative installed wind energy capacity including both onshore and offshore wind sources, measured in gigawatts (GW).

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## WWEA Annual Report 2023: Record Year for Windpower

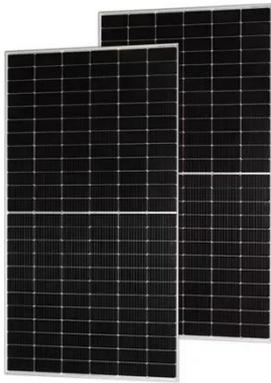
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## Wind generation declined in 2023 for the first time since the 1990s

U.S. electricity generation from wind



turbines decreased for the first time since the mid-1990s in 2023 despite the addition of 6.2 gigawatts (GW) of new wind capacity last year.

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## Global Statistics

The world's installed wind power capacity now meets well over 10% of global electricity demand - and much more than nuclear power. More than 30 countries now have a share of wind ...

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## 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, onshore installations surpassed 100 GW ...

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