

One wind farm generates more than 100 million kWh of electricity



Overview

The world's highest wind farm, situated in China's Tibet Autonomous Region, has generated over 100 million kWh of electricity since operations began in December 2021.

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Wind power

Since wind speed is not constant, a wind farm's annual energy production is never as much as the sum of the generator nameplate ratings multiplied by the total hours in a year.

Tibet: highest wind farm exceeds 100m kWh

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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

[How Much Energy Does a Wind Turbine Produce?](#)

On average, there are about 50 wind turbines per farm, and typically, one of these turbines can produce 6 million kWh per year. That would mean that one wind farm could produce



[13 Compelling Wind Energy Statistics & Facts \(Updated 2026\)](#)



The largest wind farm in the US is the Alta Wind Energy Center (AWEC) near Mojave in California. It is also the third largest in the world, with 600 turbines and a capacity of 1.54 GW.

Global Statistics

In 2025, wind turbines generated enough power to cover more than 11% of worldwide demand, surpassing nuclear energy and closing in on other fossil sources. This milestone reflects not



[Power Generated by One Wind Turbine: How Much Electricity One Wind](#)

In real conditions, a single turbine can produce electricity for hundreds of homes, but output changes daily and seasonally. Now we explain how much power one wind turbine generates per day, per

[Wind Power Facts and Information , ACP, ACP](#)

Utility-scale wind energy is the largest source of renewable electricity generation in the U.S. Learn more wind energy facts and statistics.



Tibet: highest wind farm exceeds 100m kWh

The world's highest wind farm, situated in China's Tibet

[Key US wind power trends and metrics to track , Reuters](#)

Wind farms have generated a record share of U.S. electricity production so far in 2024, and are the second largest source of clean power behind nuclear plants in the U.S. generation system.



[World's highest wind farm generates over 100 mln kWh of electricity](#)

An ultra-high altitude wind farm in southwest China's Tibet Autonomous Region has generated over 100 million kWh of electricity since it began operation in December 2021.

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