

How much wind power generation in Spain

How many wind turbines are there in Spain?

As of December 31, 2021, the total installed capacity in Spain was 28,139 MW. The more than 21,500 wind turbines installed in Spain generated 60,485 GWh of wind power, 10.2% more than in 2020. 47 provinces have wind power generation, of which 20 generate more than 1 TWh of electricity thanks to the wind.

Is wind power the main source of electricity in Spain?

Wind power is already the main source of electricity generation in Spain. Forecasts estimate that wind power could end the year producing 23.3% of total generation in our country, being the leading technology in the national generation mix for the first time since 2013.

How much wind energy does Spain generate in 2023?

In 2023, wind turbines generated more than 60 terawatt hours of electricity, accounting for over 23 percent of the country's electricity mix. In fact, Spain is one of the countries with the highest wind energy penetration, ranking third after Denmark and Ireland in 2022. Discover all statistics and data on Wind energy in Spain now on [statista.com](https://www.statista.com)!

How much wind power is installed in Spain in 2021?

In 2021, 842.61 MW of wind power were installed, a relevant figure, but well below the 2.2 GW per year that would be necessary to install until 2030 to achieve the objectives set in the National Plan National Integrated Energy and Climate Plan (PNIEC). As of December 31, 2021, the total installed capacity in Spain was 28,139 MW.

What percentage of Spain's electricity is generated from renewable sources?

Renewable sources-based power supply in Spain reached 46.7% of total power consumption in 2021 (Total power demand increased by 2.5%). Throughout 2021, wind power was Spain's largest source of electricity generation, with a relative generation growth of 2.7 %.

Is Spain a leader in wind power generation?

SPAIN IS A LEADER IN WIND POWER GENERATION. Main figures: Wind power is the technology that contributes the most to our energy system, exceeding 23% of demand in 2021. Spanish wind power is the fifth power worldwide in the ranking of countries with the largest installed wind power and the second at European level.

With more than 30,000 MW of accumulated power, wind energy has been the first source of electricity generation in Spain in 2023, exceeding 24% demand coverage. Everything indicates that the results of 2024 will be similar, ...

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New power installed in 2022 in Spain The exact figure of 1,670.10 MW of wind power installed in 2022 translates into 395 new wind turbines, reaching a generation record with more than 61,000 GWh, being a ...

The Spanish grid was mainly powered by wind and nuclear power plants in 2023. With a share of 23.5 percent, wind turbines were the most commonly used electricity generation technology in Spain ...

3 ???· 2024 will be the second consecutive year in which renewable generation exceeds non-renewable generation after representing 50.4% of all national electricity generation in 2023. In ...

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