



# How much wind power does Spain generate

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What percentage of Spain's electricity is generated by wind?

Wind power accounted for 22% of Spain's total installed power generation capacity and 23% of total power generation in 2023.

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)!

What is the wind power market in Spain?

According to GlobalData, wind power accounted for 22% of Spain's total installed power generation capacity and 23% of total power generation in 2023. GlobalData uses proprietary data and analytics to provide a complete picture of this market in its Spain Wind power Analysis: Market Outlook to 2035 report. Buy the report [here](#).

Which country has the most wind energy?

Spain is one of the leading wind energy markets worldwide. In 2023, it was among the countries with the largest wind energy capacity, ranking fifth after China, the United States, Germany, and India. With more than 30 gigawatts installed, wind is the largest source of electricity in the Mediterranean country.

The Spanish wind sector installed 0.6 GW during 2023 [2]. Wind power is the number one technology in Spain (24.5 %) regarding installed power capacity on the Spanish peninsula. The Spanish ...

Discover how much wind power Spain generates each year and its impact on the renewable energy landscape.

47 provinces have wind generation, of which 20 generate more than 1 TWh of electricity thanks to the wind. Castilla y Le#243;n with 6,517 MW is the autonomous community with the highest installed wind power ...

European neighbors Portugal and Spain are currently neck-and-neck in the race to roll out solar and wind power. On the chart, you can see the share of electricity from the combination of solar and wind in ...

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Spain has one of the largest wind power capacity installed in the world, with over 27 GW installed in 2020. In 2013, it became the first country to have wind power as its main source of energy. More than 22, ...

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In 2024, wind power generation in Spain decreased by 2.8% In 2024, wind power generation in Spain reached 60,921 GWh, marking a 2.8% decrease compared to the previous year. The largest drop in ...

The peninsular generation structure in February is also led by wind power, which has been responsible for 32.2% of the total with 6,790 GWh produced during this month.

In 2023, Spain generated a record 62.569 GWh of wind energy, covering 50% of electricity demand. The development of offshore wind energy is intensifying with projects seeking to generate up to 3 GW by 2030. ...

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