

Small and medium-sized wind power generation systems in Spain





Overview

What is the share of wind energy in Spain's electricity generation mix?

The share of wind energy in the electricity generation mix amounted to around 23% in 2021. According to the Spain Wind Energy Association's (AEE) statistics in 2020, wind energy accounted for about 27,446 MW of accumulated capacity. Moreover, as of 2020, wind energy was the second-largest source in the renewable energy mix.

Why is wind energy a major source of electricity in Spain?

With more than 31,600 MW of installed capacity, wind energy is the primary source of electricity generation in Spain, currently covering 23% of demand. This is a significant milestone for the energy sector and reflects the country's commitment to the transition toward cleaner and more sustainable energy sources.

How much wind energy does Spain have?

According to the Spain Wind Energy Association's (AEE) statistics in 2020, wind energy accounted for about 27,446 MW of accumulated capacity. Moreover, as of 2020, wind energy was the second-largest source in the renewable energy mix. Spain ranks fifth in terms of wind power installations after China, the United States, Germany, and India.

What is Spain doing about wind power?

WIND power was Spain's largest source of electricity generation, with a relative generation growth of 2.7%. According to the Spanish National Integrated Energy and Climate Plan 2021-2030 (NECP), the government is committed to increase the wind capacity to 50 GW, which means about 28.86 billion EUR (35.29 billion USD) to meet European target



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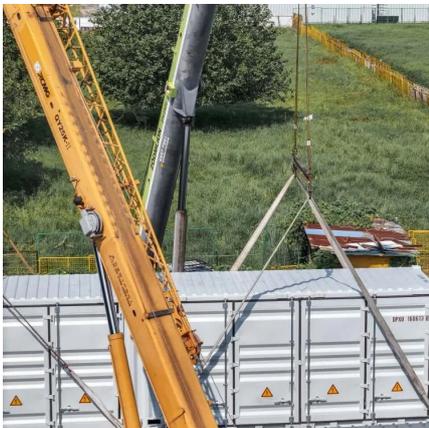


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