

ContainerPower Energy Solutions

Norwegian wind power generation system



Overview

Does Norway have wind power?

Norway boasts significant potential for wind power generation, particularly within its expansive onshore territories. The country's geographical features, including its windy coastline and vast mountainous regions, offer favorable conditions for wind energy production.

What is Norway's wind energy capacity?

Installed capacity and growth Total capacity: As of mid-2024, Norway's total wind energy capacity reached 5.18 GW, with onshore wind contributing 5.08 GW and offshore wind standing at 101 MW. Onshore wind: Norway has seen a steady increase in onshore wind capacity, but new installations have slowed compared to previous years.

What is the Norwegian Wind power market?

Below is an overview of the Norwegian wind power market and a selection of topics relevant to those engaged in contracts within the industry. Norway boasts significant potential for wind power generation, particularly within its expansive onshore territories.

How many wind farms are there in Norway?

As of the beginning of 2025, there were 65 wind farms in Norway with a total of 1 392 turbines. These wind farms had a combined installed capacity of 5 082 MW and a normal annual production of 15.9 TWh. This accounts for approximately 11 percent of Norway's total electricity production capacity.

Should Norway increase wind power production on land?

the EU energy transition.² The proportion who answered "yes" to the statement that "Norway should increase wind power production on land" fell from 65% to 33% from 2018 to 2021. In 2022, the proportion rose slightly to 39% positive answers, [vinor-an-nual-report-2022.pdf](#)BP (2023) BP Statistica.

What type of energy does Norway use?

Norway's electricity generation is based on almost 100 per cent renewable energy. In 2023, it was based on 89 per cent hydropower and 9 per cent wind power. At the beginning of 2023, the power supply in Norway had a total installed production capacity of 39 703 MW.

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