

How efficient is the Nordic power market?

An efficient Nordic power market has been key to the integration of large shares of renewables in the Nordic countries, where the relative CO₂ intensity has settled at around 60 gCO₂/kWh. A similar sharp... All five Nordic countries have seen significant increases in the utilisation of renewable energy.

How many hours a day are high electricity prices in Nordic countries?

oAverage of 90 hours in Nordic countries in 2023 simultaneously, the number of hours with high electricity prices has risen significantly. Before 2021, there were only a few hours with prices exceeding 200 EUR/MWh, but these became much more frequent during 2021 and 2022 due to the energy crisis.

Why is the Nordic region a key energy storage provider?

With existing interconnections to the UK, Germany, the Netherlands, Poland, and the Baltics, the Nordic region already serves as a key energy storage provider for the rest of Europe. Many Nordic hydropower plants are upgrading their control systems to improve its responsiveness.

How can batteries help the Nordic energy grid?

Support for intermittent renewables: With the increasing share of solar and wind power in the Nordic energy mix, batteries can store excess energy generated during peak production times and release it when renewable generation is low, further enhancing grid stability.

The Nordic Way is a growing collection of energy indicators for the five Nordic countries. Browse by topic using the menu to the right, or take a look at the recent additions below. All content is free for download.

This report comes to you at the turning of the tide for energy storage: after two years of rising prices and supply chain disruptions, the energy storage industry is starting to see price declines and much ...

The Nordic region's energy-intensive industries, including pulp and paper, metals processing, and data centers, are increasingly using on-site storage to lower energy costs and ...

The Nordic region benefits from large hydro reservoirs that provide excellent and cost-effective energy storage options, which are already being efficiently utilised. Meeting growing future ...

Ever wondered why Oslo keeps popping up in conversations about energy storage stud prices? As Scandinavia's green energy hub, Oslo has become a laboratory for cutting-edge storage ...

In this instalment of our Nordic power sector transition series, we explore the emerging technologies in the region's energy transformation. From advanced storage solutions to nuclear ...

The Nordic Energy Market's Double-Edged Sword Finland's electricity market operates within the Nord Pool system. While this integration allows:



Nordic energy storage power supply costs

In the investment optimisation stage, realistic Finnish-Swedish power systems are created based on the aforementioned scenarios, incorporating various energy sources and ...

Wholesale electricity price projections for the Nordic market The Nordic electricity market covers Norway, Sweden, Finland, and Denmark, and as many as 12 price areas. The Nordic ...

Looking for reliable data on Nordic outdoor power supply spot prices? This comprehensive guide breaks down pricing trends, regional variations, and key factors shaping the market. Whether you're a ...

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