

Norway container power generation prices





Overview

How much does power cost in Norway?

The mean annual Norwegian power price from the Monte Carlo simulations is estimated to be 39 ± 4 €/MWh and long-term price levels below 23 €/MWh or above 50 €/MWh seem highly unlikely in an average weather year.

How does power trading work in Norway?

Power trading thus moderates price rises in Norway in winter, and maintains higher summer prices. In the same way, power trading provides access to relatively low-cost power in dry years, and increases the value of Norwegian electricity in years when there is a surplus of power in the domestic market.

Will fossil fuel costs affect electricity prices in Norway in 2040?

Electricity prices remain strongly affected by fossil fuel costs to 2040. The 2040 power price in Norway is modelled to be 39 ± 4 €/MWh. Market value of Norwegian hydropower is 34% higher than the average power price. Seasonal patterns for solar PV give <3% probability of revenues higher than the LCOE.

Does Norway have hydropower?

Hydropower accounts for most of the Norwegian power supply, and the resource base for production depends on the precipitation in a given year. This is a significant difference compared to the rest of Europe where security of supply is mainly secured through thermal power plants, with fuels available in the energy markets.

Does Norway have a power market?

Today, Norway is part of a joint Nordic power market with Sweden, Denmark and Finland, and this is in turn integrated into the European power market through interconnectors to Germany, the Netherlands, Estonia, Poland and Russia. Because of these interconnectors, power can be consumed where it is most needed.



Why are Norway's electricity prices so high?

Norway's trading capacity with other countries is high, and price levels in Norway are therefore strongly influenced by the cost of producing electricity in thermal power plants, and especially by the prices of coal, natural gas and emission allowances.



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Long term power prices and renewable energy market values in Norway ...

The transition to renewable energy will require large investments in renewable power generation capacity, made under large risks regarding future revenues. This study ...

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[Port of Oslo encourages shift to shore power](#)

Port of Oslo has received an approximate price quote from a supplier to convert container ships to shore power. - The offer estimates that conversion of a ...

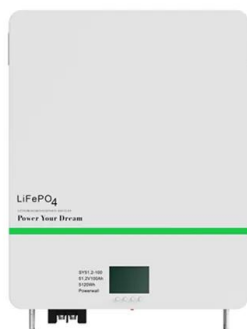
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[Prospects for the 2040 Norwegian electricity system](#)

1. Introduction The European political will to accelerate the energy transition is increasing uncertainty about future supply and demand developments in the power sector. ...

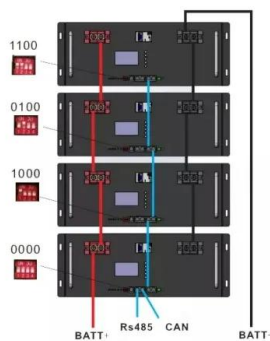
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The power market and prices

In market-based trading, the power exchange sets daily prices that give a planned balance between overall generation and consumption for every hour of the next day. The market price ...

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[Shore power and charging stations](#)

The shore power plant for the container ships will be ready in 2024. Based on the call statistics for 2020, the plant has the potential to cut emissions of 2,371 tonnes of CO2 and 33 tonnes of ...

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Electricity production

Renewable power plants are generally located where there is access to resources. Production capacity is therefore unequally distributed between different regions of Norway. A ...

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[See The Real-Time Electricity Prices in Norway \(For...](#)

This has lead to Norwegians needing to stay updated on the current electricity prices, but what's the best place to see the real-time ...

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Shore Power

The price of shore power to ships is set out from an overall assessment of the cost of electricity, grid tariffs, taxes, operation, maintenance and investment in the necessary facilities for ...

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The power market

The power price makes up a varying share of the total end user price, depending on market prices. The electricity tax and the Enova fee are fixed by political decisions, while ...

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Electricity spot prices in Norway (East) today, hour by hour

Electricity market in NO1 (East) zone of Norway
Introduction to Norway's electricity price zones
Norway's electricity market structure is unique, segmented into five distinct price ...

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Electricity sector in Norway

In some years, a combination of high power prices in the market and less than usual rainfall renders the power system more vulnerable to power shortages. ...

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[Is Norway Really Heading Toward a Power Deficit? - ...](#)

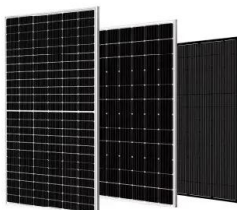
Norway's feared power deficit and rising electricity prices are challenged by StormGeo's analysis, revealing a more balanced energy outlook.

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Long term power prices and renewable energy market values in Norway ...

This study presents an analysis of different risk factors for future power prices and renewable energy market values in Norway, a region dominated by renewable power.

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[Long term power prices and renewable energy market values in ...](#)

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[Understanding Norway's Power Export Dilemma](#)

In principle, cross-border exchange makes perfect sense for Norway as a nation. The vast majority (90 + %) of our power production is hydro-electric, with a 75 % of this being regulated. ...

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Electricity prices

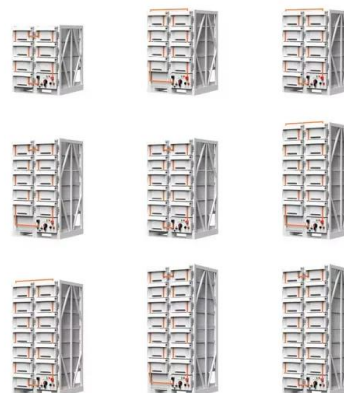
From Oct 2025 the government plans a new optional "Norway Price" scheme: a fixed 40 øre/kWh (ex-VAT) price for participating homes (up to a monthly usage cap), giving customers an ...

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[Norway Energy Market Report , Energy Market Research in Norway ...](#)

The Norway energy market report provides expert analysis of the energy market situation in Norway. The report includes energy updated data and graphs around all the energy sectors in ...

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[Norway Eyes Cutting Energy Links to Europe As Domestic Prices ...](#)

Norway, a nation long celebrated for its abundant hydroelectric resources, is grappling with a political and economic crisis as soaring electricity prices wreak havoc on ...

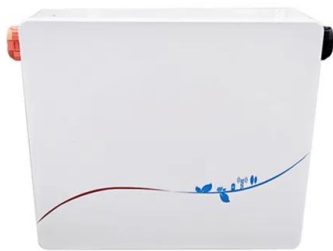
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[Shore power and charging stations](#)

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Power market reports

Detailed Excel data that includes data on power prices, capture prices, the generation and capacity mix, demand developments, sector coupling, hourly price profiles and more.

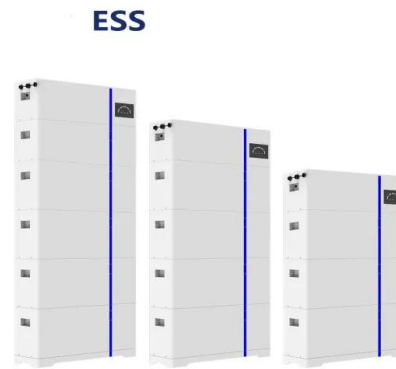
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