



Solar360 Mobile Energy

Wholesale price of containerized renewable power in Poland





Overview

Baringa's Polish Reference Case Report covers our quarterly-updated projections of wholesale power prices, captured prices for renewable technologies to 2050 and Green Certificates to the end of the subsidy period.

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Three factors have contributed to high Polish electricity prices – expensive Polish coal, low renewables generation, and falling gas prices. Poland's wholesale electricity prices are now the most expensive in the EU, leading the ranking for several months in a row. Source: Ember's analysis of.

Thanks to record green energy production, wholesale electricity prices fell significantly. In order to maintain this trend in autumn and winter, we need the amendment to the wind farm law, which will soon be on the President's desk, to come into force. According to the Energy Forum [1], in June.

The record weighted average price occurred in August 2022, exceeding Log in or register to access precise data. zloty. Electricity is essential to modern life and vital to every country's economy. Starting in 1990, the final annual electricity consumption reached a value of Log in or register to.

The generation of the report has been modified after the implementation of changes in the scope of data publication with as of 14.06.2024.

Poland's energy transition is progressing, and 2023 was a year of real records. Although coal remains the main source of electricity production, its share in the mix fell to an all-time low of 60.5%, down 10 p.p. from a year earlier.



Production from RES reached 27% for the first time. At the same. How can Poland reduce wholesale electricity prices?

The cheapest, fastest, and future-proofed solution for Poland to decrease its wholesale electricity prices is to deploy as much wind and solar power as soon as possible. Poland's reliance on costly domestic coal means it now has the most expensive electricity in Europe.

How does a supplier buy electricity in Poland?

In a competitive market, suppliers buy electricity on the Polish Power Exchange (TGE) or via bilateral contracts and then sell it to consumers. For most customers, the energy price portion has traditionally been a fixed rate per kWh (often set in a supplier's tariff or contract).

Do energy suppliers in Poland have dynamic pricing contracts?

By law, all large energy suppliers in Poland must offer dynamic pricing contracts as of 2024. The major incumbent electricity suppliers – typically the retail arms of Poland's big energy groups – have introduced dynamic tariff products for both residential and business customers.

How will Poland increase its renewable power capacity by 2027?

Poland plans to increase its renewable power capacity through the development of offshore wind farms. By 2027, Poland expects 6GW power capacity to be generated by offshore wind. Poland has looked to the world's largest players in renewable energy to help them develop the market.

How will Poland's renewables market evolve?

The share of renewables currently stands at approximately 15%, with the largest contribution coming from onshore wind. The evolution of the Polish market will be driven by the EU decarbonisation strategy – and the associated increase in carbon prices – as well as national policy and legislation, including the Renewables and the Offshore Wind Acts.

How much electricity does Poland produce in 2024?

In 2024, coal-fired power plants produced roughly 57-58% of Poland's electricity. This is a marked decline from about 70% in 2022, reflecting a steady downward trend. As of early 2025, coal's share continues to fall – for the first time ever, coal dropped below 50% of generation in a single month



(49.4% in April 2025).



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Poland Energy Information

Poland's oil production is limited (around 4% of its needs with 1.1 Mt in 2024). In 2024, Poland imported 27.3 Mt of crude oil (+2.7%). Imports from Russia dropped to only 5% of crude oil imports in 2023, after accounting for 43% in 2022, and ...

[Poland's Energy Transformation: Major Investments ...](#)

Poland's Energy Transformation: Major Investments and Developments in 2024-2025
Poland is undergoing a significant energy transition, with massive investments in nuclear power, renewable energy, hydrogen technology, and ...



[The Renewables and Wholesale Electricity Prices](#)

...



The Renewables and Wholesale Electricity Prices (ReWEP) tool, allows users to explore trends in nodal wholesale energy pricing and their relationship to wind and solar generation. Variable renewable generation can have important ...

[Poland has the most expensive electricity in Europe.](#)

For another month, Poland closed with the highest electricity prices in the spot market on the European exchange. The disparities are deepening, and imports from cheaper countries are increasing. It has never ...



[Energy Transition in Poland. 2024 Edition](#)

This is a result of falling fuel prices and the flexibility of gas generation. Wholesale energy prices in Poland compared to other EU countries remain very high, and the economy's dependence on imported fossil fuels is ...

The Renewables and Wholesale Electricity Prices (ReWEP) Tool

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Our Lifepo4 batteries can be connected in parallel and in series for larger capacity and voltage.



[RES auctions in Poland . Results and trends](#)

On the contrary, if wholesale prices remain at this level over the next years, RES producers will have to return part of their revenues (under the so-called contract for difference 2). The photovoltaic market is enjoying a boom in Poland, which ...



Changing course: Poland's energy in 2023

Poland could reduce wholesale power prices by 27% compared to a 2030 business-as-usual scenario, resulting in hundreds of zlotys saved per year by an average household. With coal electricity back to being more expensive ...



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