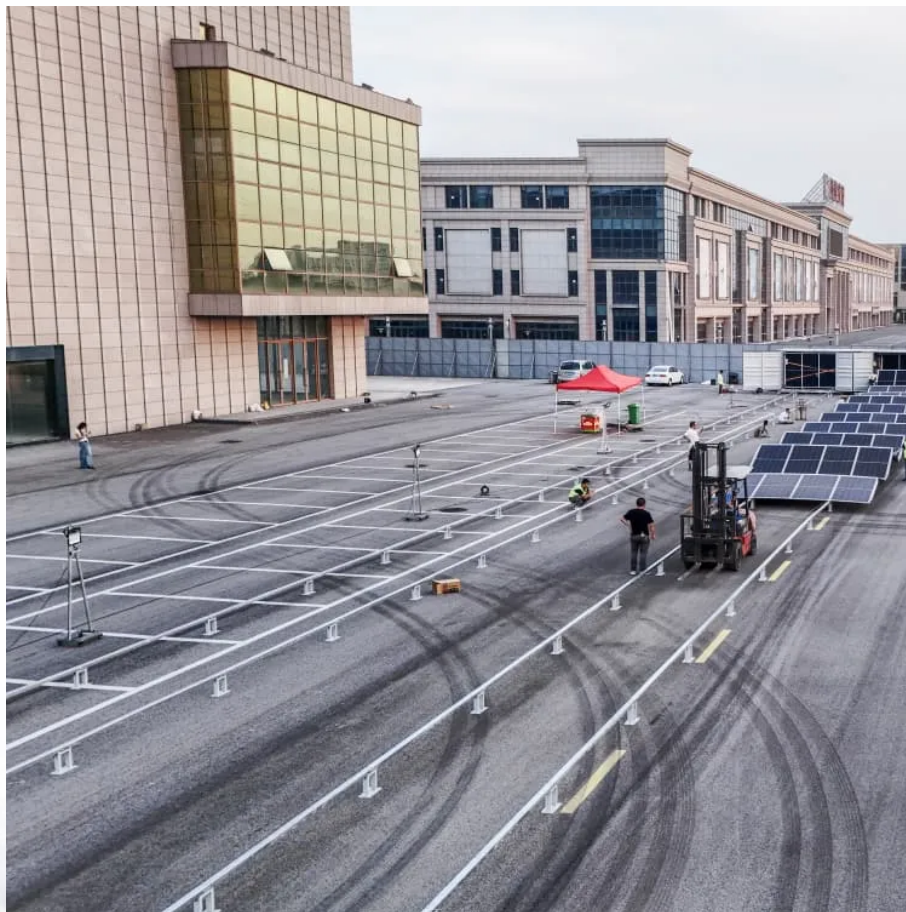


Portugal Porto wind solar and storage integrated electricity price





Overview

Which energy sources are used in Portugal?

Primary electricity sources: Portugal's power mix is dominated by renewables. In 2024, about 71% of consumption was supplied by renewables (up from 61% in 2023). The remaining generation comes mainly from natural gas. In the first months of 2025 renewables have grown even further (e.g. ~83% of generation in April 2025).

How much does electricity cost in Portugal?

Starting January 2025, electricity price in Portugal increased by 2.1%, as reported by Idealista. This rise is linked to inflation and adjustments in energy production costs. Currently, residential electricity prices range from €0.20 to €0.25 per kilowatt-hour (kWh), depending on consumption levels and providers.

What is Portugal's energy mix?

Hydroelectric power, benefiting from Portugal's river systems, and wind energy are among the most significant contributors to the country's energy mix. Solar power is also on the rise, taking advantage of the country's sunny climate. Portugal's commitment to renewable energy is evident in its ambitious targets and policies.

Why do electricity prices fluctuate in Portugal?

This dependency makes prices vulnerable to global energy market fluctuations. Portuguese electricity bills include various fees, such as VAT (6% for basic tariffs) and network maintenance costs. These additional charges significantly impact the final price paid by consumers. Curious about solar panels?



Portugal Porto wind solar and storage integrated electricity price



[Portugal Renewable Energy Market . 2023 - 2030 , Ken ...](#)

Portugal renewable energy market valued at USD 13-14 Bn, targeting 80% renewable electricity by 2030, driven by solar, wind growth, government incentives, and EU climate goals.

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Onshore wind: Potential wind power density (W/m²) is shown in the seven classes used by NREL, measured at a height of 100m. The bar chart shows the distribution of the country's land area ...

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Electricity prices

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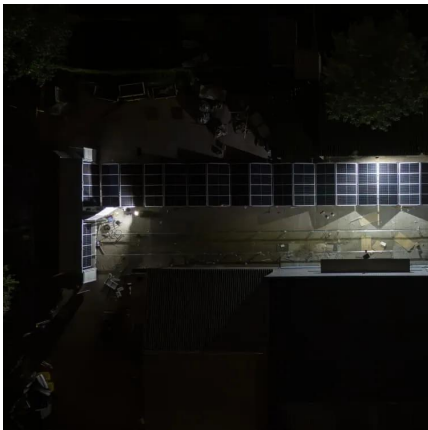
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Electricity prices

? Portugal's Energy Mix: Renewables Take the Lead In 2023, Portugal hit a milestone: over 60% of its electricity came from renewable sources -- mostly wind, hydro, and solar.

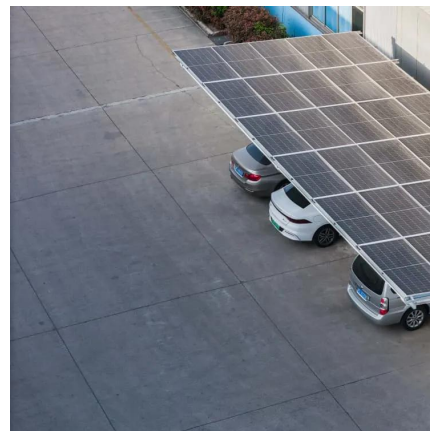
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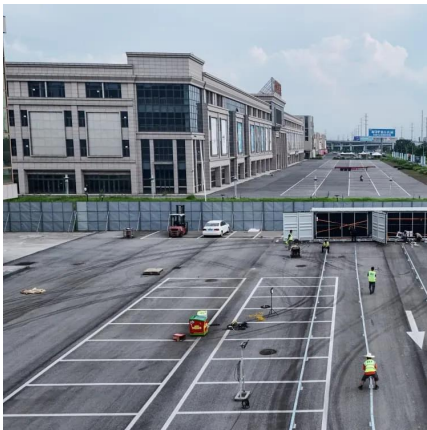
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[Renewable energy sector](#)

Portugal's geographical position is favorable to multiple forms of renewable energy, with the country holding the following endogenous characteristics: rainfall (orography), sun hours ...

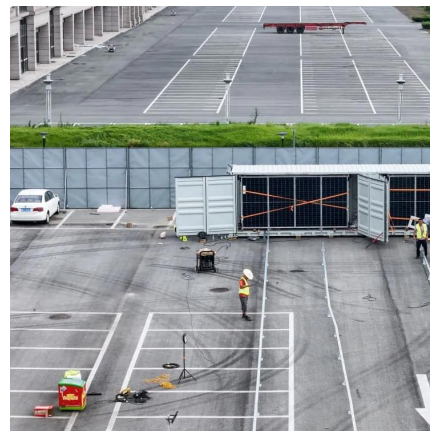
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