

Türkiye Izmir coal-to-electricity solar air conditioning





Overview

Did wind power overtake coal power in Türkiye in 2024?

Wind and solar power in Türkiye permanently overtook electricity from domestic coal in 2024, even surpassing domestic coal power's historic peak. Ember's Türkiye Electricity Review, published for the fourth consecutive year, analyses Türkiye's electricity generation and consumption data in 2024.

How has wind & solar influenced electricity generation in Türkiye?

In recent years, wind and solar were the driving force of electricity generation from domestic sources in Türkiye. In 2024, wind and solar surpassed the peak annual electricity generation of domestic coal for the first time, permanently overtaking domestic coal. "Wind and solar overtaking electricity from domestic coal is a huge moment for Türkiye.

Will wind and solar overtake electricity from coal?

"Wind and solar overtaking electricity from domestic coal is a huge moment for Türkiye. However, wind and solar are still not growing fast enough to meet rising electricity demand. The remaining demand growth will be met by costly imported fossil fuel power generation.

How much wind & solar power does Türkiye have in 2024?

Wind remained steady at 10.7%, close to the previous year's level of 10.6%. As a result, the total share of wind and solar in electricity generation surpassed 18%. Despite an increase in electricity generation from coal (+4 TWh) in 2024, coal's share in Türkiye's electricity mix slightly declined from 36.9% to 35.6%.



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Nov 6, 2025 · Türkiye's Ministry of Energy's recent announcement about turning former coal mining sites into solar fields is a promising but cautious step toward a cleaner future.

[Türkiye Electricity Review 2025 , Ember](#)

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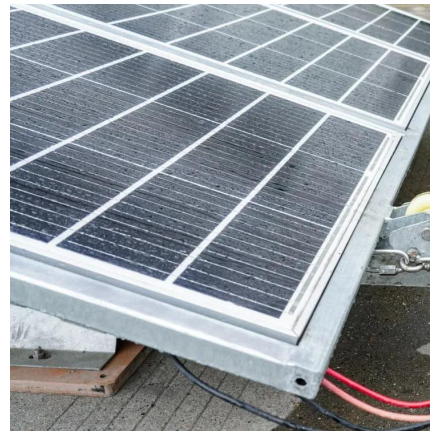


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Türkiye Electricity Review 2025: EMBER

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