

Power outage at solar power plant in Izmir Türkiye





Overview

How has solar power impacted Türkiye's electricity demand?

The recent increase in solar electricity generation has also played an important role in meeting Türkiye's increasing electricity demand year by year. Electricity demand increased by 5.5% (+18 TWh) in 2024 to reach a record 342 TWh.

What happened to solar power in Türkiye in 2024?

In 2024, solar power in Türkiye increased by a record 39% year-on-year. This pushed solar's share of electricity to 7.5%, up from 5.7% in 2023. 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%.

Did Türkiye's power outage affect its power supply?

Despite Türkiye's connection to the European electricity grid, Bayraktar assured that the outage did not impact the country's power supply. "We are not facing any issues, but it could have been significant. Fortunately, we are at the farthest end of the grid," Bayraktar said.

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.



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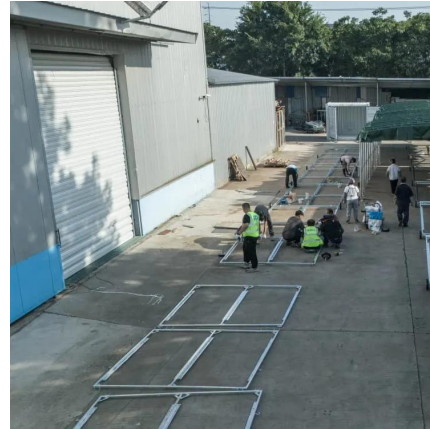


[The Power Of Solar Energy In Turkey](#)

Investing in Solar Energy in Turkey: The Potential of Floating Solar Power Plants Turkey is deploying floating solar power plants on a massive scale ...

[Türkiye in top 5 in Europe for renewable ...](#)

Jan 18, 2025 · Türkiye ranks among Europe's top 5 countries for renewable energy installed capacity, with solar and wind energy playing a key role, ...



[Izdemir Enerji power station](#)

Dec 2, 2025 · Izdemir Enerji power station (Izdemir Enerji Santrali, Aliaga Termik Santrali) is an operating power station of at least 370-megawatts (MW) in Çakmakli, Aliaga, Izmir, Türkiye ...

[Power Outages in Izmir on September 17, 2024 - RayHaber](#)

Sep 17, 2024 · Get information about the power outages that will occur in Izmir on September 17, 2024. Detailed information about the duration of the outages, the areas that will be affected ...



[Türkiye Electricity Review 2025](#)

Apr 3, 2025 · Türkiye Electricity Review 2025
Wind and solar power in Türkiye permanently overtook electricity from domestic coal in 2024, even surpassing domestic coal power's ...



[Power Outage in 7 Districts of Izmir on Sunday: Gediz...](#)

Jan 5, 2025 · A scheduled power outage is set to affect seven districts in Izmir this Sunday due to planned network renewal and maintenance work, according to Gediz Electric.



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Dec 28, 2023 · Solar power plants in terms of landscape protection and repair: activities of local governments in Izmir December 2023 Ege ...





[Türkiye evaluates power outage in Europe. confirms no ...](#)

Apr 29, 2025 · Energy Minister comments on recent European power outage, highlighting Türkiye's unaffected grid and the potential impact of the incident



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Izmir Energy Storage Power Plant Advancing Türkiye s Renewable Energy

SunContainer Innovations - Summary: Discover how the Izmir Energy Storage Power Plant addresses Türkiye's renewable energy challenges through cutting-edge battery technology. ...



Turkey

Jan 6, 2024 · Approximately 56% of Türkiye's electric power generation capacity consist of renewable energy, including hydroelectric, wind, solar, geothermal, and biomass power plants, ...



[Power Outage Alert in Izmir: 22 Districts to be Affected!](#)

Sep 18, 2025 · Power Outage Alert in Izmir: 22 Districts to be Affected! In a move to strengthen the electrical infrastructure, Gediz Elektrik has announced planned power outages in 22 ...



[Power plant profile: Izmir Solar PV Project, Turkey](#)

Izmir Solar PV Project is a 240MW solar PV power project. It is planned in Izmir, Turkey. According to GlobalData, who tracks and profiles over 170,000 power plants worldwide, the ...

[Türkiye Izmir Energy Storage System Policy: Opportunities ...](#)

Izmir, Türkiye's third-largest city, has emerged as a hub for renewable energy innovation. With its ambitious energy storage system policy, the region aims to address grid stability, integrate ...



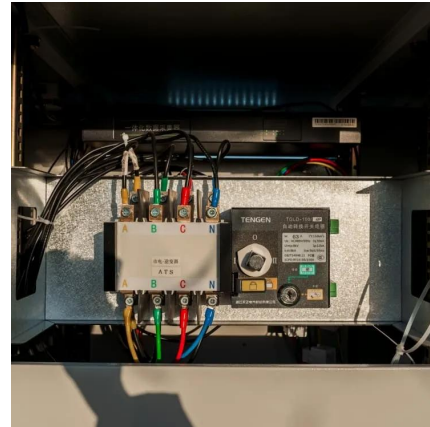
[Republic of Türkiye Ministry of Energy and Natural Resources](#)

Additionally, as of the end of October 2025, number of electricity generation plants in our country has reached 38,412 (including unlicensed plants). The distribution of power plants by ...



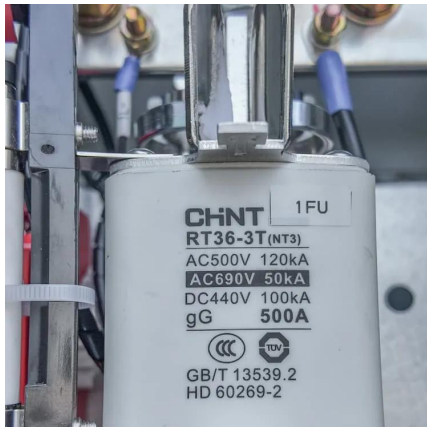
[Top five solar PV plants in development in Turkey](#)

Sep 9, 2024 · Solar PV capacity accounted for 16.4% of total power plant installations globally in 2023, according to GlobalData, with total recorded solar pv capacity of 1,496GW.



[Türkiye says power system strong amid European blackout](#)

May 4, 2025 · - While expanding renewable sources such as solar and wind, Türkiye also relies on steady supplies like coal and gas to keep system balanced, senior Turkish energy official ...



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