

SolarInnovate Energy Solutions

Türkiye power signal base station range



Overview

Where is Türkiye's electricity generation data obtained?

Türkiye's electricity generation data is obtained from the Transparency Platform of the market operator, EPIAŞ. "Real Time Generation" dataset is used for licensed electricity generation, while the "Unlicensed Electricity Generation" dataset is used for unlicensed electricity generation.

What is the installed capacity of Türkiye?

By the end of May 2025, the installed capacity of Türkiye has reached 119,271 MW. As of the end of May 2025, the distribution of installed capacity by resources is as follows: 27.1% hydraulic, 20.6% natural gas, 18.4% coal, 11.2% wind, 19% solar, 1.5% geothermal and 2.2% other sources.

How much power will Türkiye have in 2035?

According to Türkiye's 2020–2035 National Energy Plan, Türkiye's power generation capacity will reach 189.7 GW in 2035 (a 79% increase from 2023). Türkiye's share of renewable energy will increase to 64.7% with solar power capacity increasing 432% and wind capacity increasing 158%.

What are the main sources of electricity in Türkiye?

The shares of resources in electricity generation in 2024 were as follows: Coal: 35.2%, Natural gas: 18.9%, Hydropower: 21.5%, Wind: 10.5%, Solar: 7.5% from Geothermal: 3.2%, Other Sources: 3.2%. By the end of May 2025, the installed capacity of Türkiye has reached 119,271 MW.

Why did Türkiye increase electricity generation in 2024?

In addition to the increase in demand, the year-on-year increase in electricity generation totalled 23 TWh due to Türkiye's transition from a net importer of electricity to an exporter in 2024. The 7.3 TWh increase in solar met 32% of the increase in electricity generation.

How much electricity is consumed in Turkey in 2024?

The annual gross electricity consumption in 2024 increased by 3.8% to 347.9 TWh, compared to the previous year. Electricity generation reached 348.9 TWh, increasing by 5.4%. According to the results of the Türkiye National Energy Plan, electricity consumption is expected to be 380.2 TWh in 2025, 455.3 TWh in 2030, 510.5 TWh in 2035.

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Energy Transition of Türkiye and a Glimpse of Turkish ...

May 1, 2024 · The 400 kV Van-Khoy interconnection line project and Van DC Back to Back station facilities have been completed and are planned to be put into operation in the near future. ...

Republic of Türkiye Ministry of Energy and Natural Resources

By the end of July 2025, the installed capacity of Türkiye has reached 120,162 MW. As of the end of July 2025, the distribution of installed capacity by resources is as follows: 26.9% hydraulic, ...



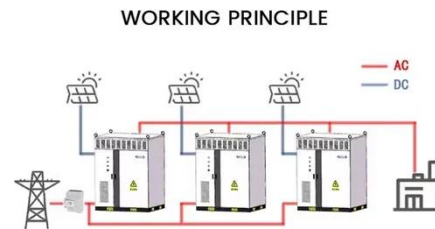
Q& A: electricity generation and transmission in Türkiye

Sep 18, 2023 · The tariff has also been updated to 38.45 Turkish lira per kilowatt-hour for storage system integrated to the wind or solar power plants, pumped hydroelectric power plants, wave ...



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