



Solar energy for the environment turkey





Overview

In a significant step towards sustainable development, Turkey has surpassed the global average in the use of renewable energy, with 42% of the country's electricity now coming from renewable sources. [1] Solar power is a growing part of renewable energy in the country, with almost 25 gigawatts (GW) of solar panels in 2025, of which 22 GW is commercial and industry rather than traditional. In a landmark move for regional energy cooperation, Turkey and Saudi Arabia have officially signed an intergovernmental agreement to develop major solar power projects in Turkey. Solar energy in Turkey broke a record last April, reaching an installed capacity of 13.9 gigawatts, an impressive increase of 1.



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[Saudi Arabia's \\$2 Billion Solar Plan Lifts Turkish Energy Stocks](#)

Saudi Arabia will invest around \$2 billion to build solar power plants in Turkey, in the first stage of a broader renewable-energy deal between the countries. Turkish energy stocks rose on the ...

[Türkiye surpasses 2025 solar target as capacity doubles in 2.5 years](#)

This study examines the recent development of solar and wind energy capacities in Türkiye in the context of current renewable energy targets and strategies.



The Power Of Solar Energy In Turkey

With abundant sunshine and cutting-edge innovations in solar technologies, Turkey is ready to harness the full potential of solar energy to promote energy security and environmental sustainability.

[Turkey's Solar Capacity Surges Past 21.6 GW as Unlicensed ...](#)

Turkey's solar irradiance averages 1,500-1,700 kWh/m² annually, positioning it among Europe's sunniest markets. "This is not just a climate play--it's an economic imperative," Alparslan ...



[Saudi Capital to Fund 2 GW Solar Capacity in Turkey Under 5 GW](#)

The agreement was signed in Riyadh and sets the framework for large-scale solar and wind investments. According to Bayraktar, the overall plan envisages the development of 5 GW of ...



[Turkey, Saudi Arabia agree to build 2 GW of Turkish solar under 5 ...](#)

Turkey and Saudi Arabia have agreed to develop and build an initial 2 GW of solar power projects in central Turkey as part of a broader plan to roll out solar and wind capacity with Saudi ...



[Türkiye meets 2030 solar energy target 6 years early: ...](#)

"By doubling its solar energy capacity in just two and a half years ...



Solar power in Turkey



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[Saudi Turkey solar agreement: Impressive \\$2 Billion Deal](#)

This collaboration underscores the strengthening economic and diplomatic ties between the two nations. A Landmark Investment in Turkish Solar: The Saudi Turkey solar agreement This initial ...

[Türkiye meets 2030 solar energy target 6 years early: Report](#)

"By doubling its solar energy capacity in just two and a half years and surpassing its 2025 target ahead of schedule, Türkiye has demonstrated its potential to set more ambitious goals," ...



[Net-zero Turkey: Renewable energy potential and implementation](#)

Turkey's renewable energy potential is shaped by its diverse geographical and climatic conditions, enabling access to an array of resources, including solar, wind, hydropower, geothermal, ...



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