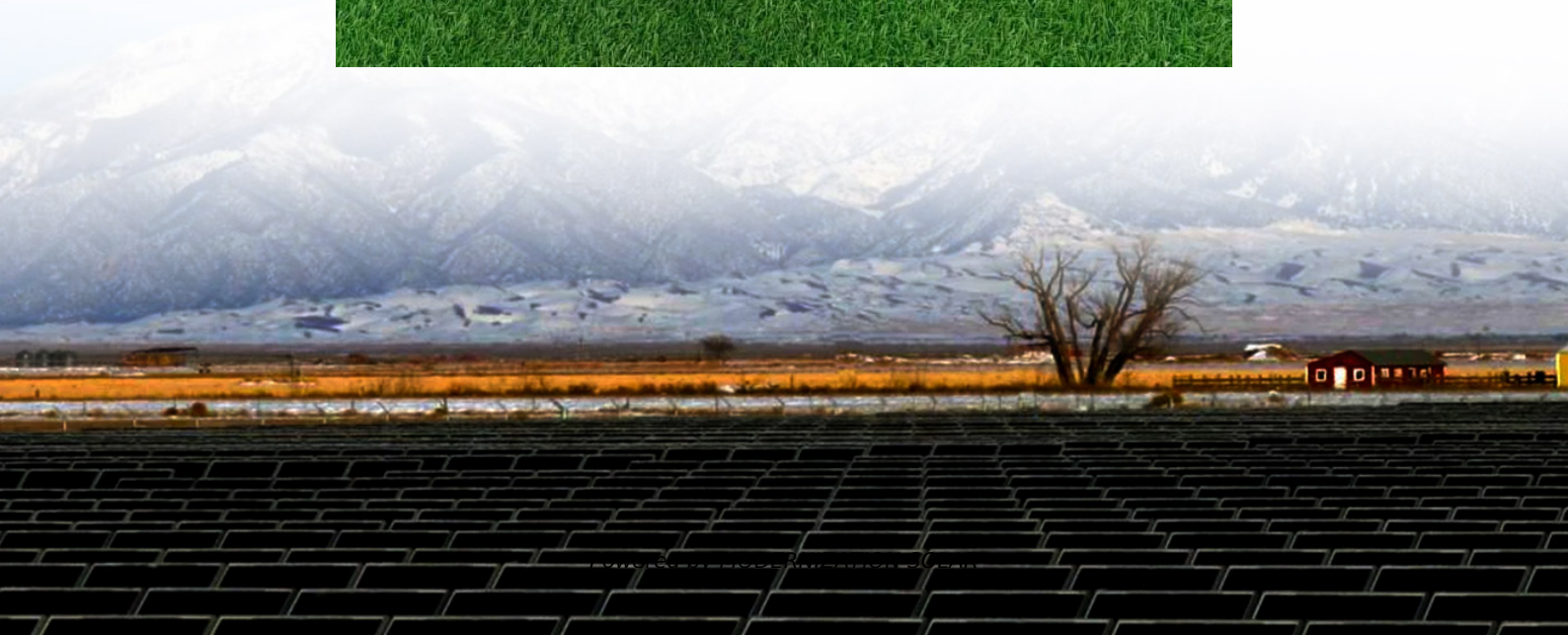


# **Solar power generation system in Türkiye**





## Overview

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Does Türkiye have a solar power plant?

The facilitation of self-consumption-focused power plant installations in Türkiye has accelerated annual new installations, pushing solar energy capacity beyond the current 2025 target. Türkiye's solar energy capacity doubled from 9.7 GW in July 2022 to exceed 19 GW by the end of 2024.

How much solar energy does Türkiye have?

Türkiye's solar energy capacity doubled from 9.7 GW in July 2022 to exceed 19 GW by the end of 2024. By August 2024, the country had already exceeded the 18 GW target set for 2025 in the National Energy Plan (NEP) by the Ministry of Energy and Natural Resources (MENR).

How has solar capacity grown in Türkiye?

This followed a huge rise in solar capacity in just two years (+8.9 GW, +82%), up from 10.9 GW installed capacity in 2022. Previously, the largest annual solar capacity growth in Türkiye was in 2017 and 2018, with capacity increases of 2.1 and 2.2 GW respectively.

How has Türkiye doubled its solar capacity?

Türkiye has doubled its solar capacity in just 2.5 years, surpassing its current target more than a year ahead of schedule. The progress underlines the opportunity for an upgraded target in its upcoming Nationally Determined Contribution. Available in: Türkçe



## Solar power generation system in Türkiye

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### [How much solar power does Türkiye generate? , NenPower](#)

Feb 20, 2024 · The trajectory of solar power generation in Türkiye is exceptionally promising, shaped by continuous advancements in technology, supportive policies, and an ever-growing ...

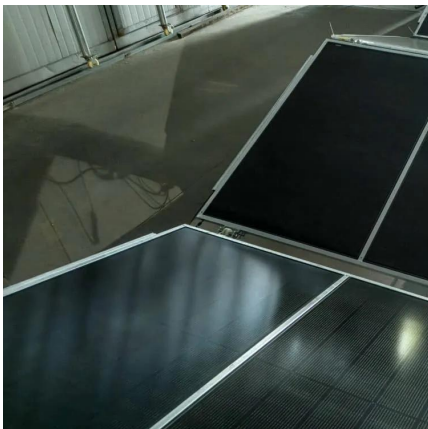
### [Türkiye Electricity Review 2025](#)

Apr 3, 2025 · Ember's Türkiye Electricity Review, published for the fourth consecutive year, analyses Türkiye's electricity generation and consumption data in 2024. The report also ...



### [Renewable energy development in Türkiye: ...](#)

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## 17. Türkiye

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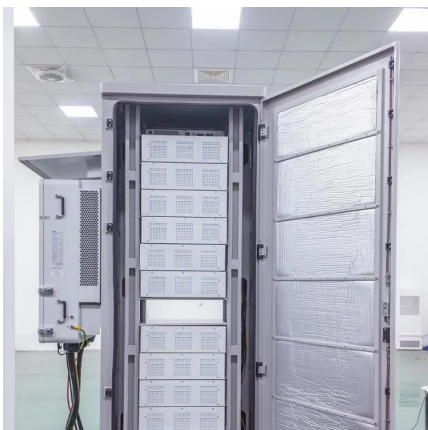
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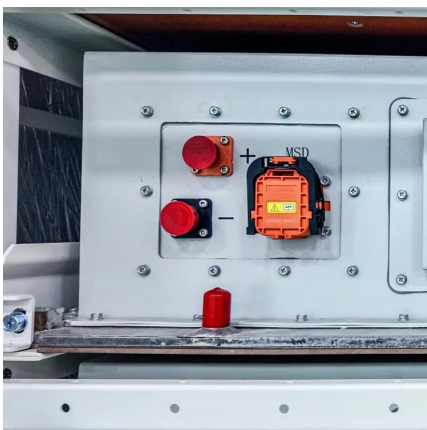


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## [Türkiye meets 2030 solar energy target 6 years early: Report](#)

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Jun 30, 2025 · As at end-April 2025, renewable energy sources constitute a major portion of Türkiye's total installed electricity generation capacity: hydroelectric power accounts for 27.2%, ...



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Feb 5, 2020 · Ankara Solar, Turkey's solar panel manufacturer, is a leading global provider of comprehensive photovoltaic (PV) solar energy solutions that are truly Taking Energy Forward. ...



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## [TÜRKIYE NATIONAL ENERGY PLAN](#)

Mar 9, 2023 · The share of intermittent renewable energy sources such as wind and solar in total electricity generation is planned to be increased taking into account Türkiye's current flexibility ...



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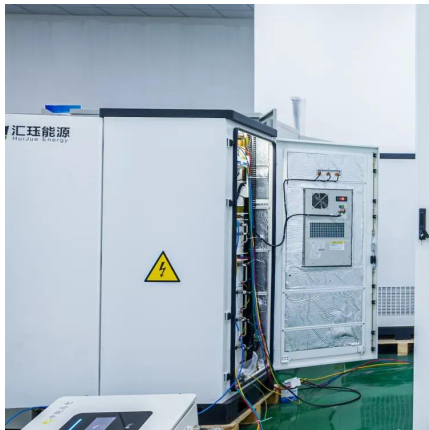
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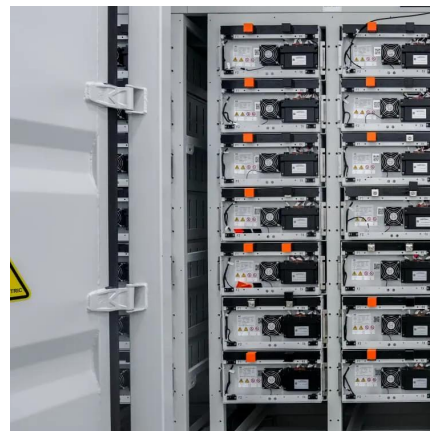


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