

## European Solar Energy Storage

# Türkiye s new energy storage policy



## Overview

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How big is Türkiye's energy storage capacity?

Türkiye's 35 GWh storage capacity accounts for grid-scale projects alone. Global energy storage investments have surpassed 150 GWh. Türkiye has already begun installations in Hungary, Bulgaria, and Spain, leveraging its geographic advantage close to Europe.

Does Türkiye have storage-integrated solar power?

In the area of storage-integrated solar power, Türkiye is making significant progress. As of 2024, 412 solar power plants with storage, representing a combined installed capacity of over 14 GW, have received pre-licenses. This figure far exceeds the 2.1 GW storage capacity target set in the NEP for 2030.

Where does Türkiye invest in energy storage?

Global energy storage investments have surpassed 150 GWh. Türkiye has already begun installations in Hungary, Bulgaria, and Spain, leveraging its geographic advantage close to Europe. Tokcan highlighted the importance of local expertise in manufacturing, system management, and maintenance to avoid dependency on foreign firms.

Can Türkiye achieve a more ambitious growth trajectory in battery storage?

The scale of storage-integrated solar capacity alone demonstrates Türkiye's potential to achieve a far more ambitious growth trajectory in battery storage, paving the way for stronger integration of renewable energy into the grid.

Does Turkey have a Solar Energy Breakthrough?

Turkey's solar energy breakthrough 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.

Should energy storage regulations be finalized?

Energy Storage Industries Association (ESIA) President Can Tokcan noted during a press briefing that finalizing regulations is crucial to accelerating investments. “The draft regulation for energy storage has been published, but the final version needs to be issued urgently.

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### Türkiye's Largest Grid-Scale Energy Storage Project to Be

Progresiva, a subsidiary of Kontrolmatik Technologies, is set to embark on Türkiye's largest grid-scale energy storage project in Tekirda?. This groundbreaking facility will be the first of its kind in Türkiye, boasting a GWh capacity.

### Türkiye surpasses 2025 solar target as capacity doubles in 2.5 ...

Türkiye has introduced progressive regulations for storage-integrated power plants to facilitate the integration of renewable energy into the grid, define the role of battery storage in the energy market, and accelerate the transition to clean energy.



### Turkey's energy storage legislation creating new opportunities

With the country targeting net zero emissions by 2053, those new rule changes for front-of-meter energy storage with renewables could enable quicker and greater progress.

### Turkey: the rise of utility-scale energy storage technologies

This article highlights legal provisions promoting the expansion of renewable energy investments with storage systems, aligning with Turkey's strategic goal of achieving net-zero emissions by 2053.



## Türkiye to invest \$10B in energy storage to boost wind

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The Energy Market Regulatory Authority (EMRA) approved a 35-gigawatt-hour (GWh) capacity allocation for grid-scale storage projects, ...

## Energy storage in Turkey: 80GW Capacity Planned by 2030

Local energy storage projects still need to be approved by the Turkish government to go ahead, and according to PwC, the licensed capacity for energy storage construction in Turkey is 160 GW, for which 2,700 applications have been received.



## Battery Energy Storage Options For Türkiye

Robust renewable energy targets also require increased flexibility in electricity systems, where supply and demand must always be in balance. Large-scale implementation of battery energy storage systems is expected to contribute significantly to this balancing process.



## The Energy Storage Market in Türkiye: An Overview ...

In summation, Turkey's energy storage landscape will be shaped by progressive government policies, the fast-declining prices of lithium-ion batteries, and the momentum of the global



### FLEXIBLE SETTING OF MULTIPLE WORKING MODES



## Türkiye s new energy storage policy

With a change in regulation on November 19, Turkey made it possible for energy storage developers to get preliminary licenses for a matching capacity in wind or solar power.

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## Developing Or Investing In Wind, Solar, And Energy Storage

Türkiye plans to reach 7.5 GW of battery energy storage and 5 GW of electrolyser capacity by 2035. While batteries play a key role in short-term (hourly) balancing, electrolysers will enable seasonal energy storage by converting surplus electricity--especially from solar and wind--into e-fuels.

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The Energy Market Regulatory Authority (EMRA) approved a 35-gigawatt-hour (GWh) capacity allocation for grid-scale storage projects, with an estimated investment of \$10 billion.

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