

SolarTech Power Solutions

Distributed Energy Storage Management in Turkey



Overview

Turkey's dynamic regulatory framework, anchored by the Electricity Market Law and its accompanying regulations such as Storage Regulation, License Regulation, and YEKDEM Regulation, unveils a compelling landscape for investors seeking to seize opportunities in the burgeoning electricity storage sector. Is Turkey establishing a market for large-scale energy storage?

The latest announcement is a big step towards establishing a market for large-scale energy storage in the country, Energy-Storage.news heard from Korkut Öztürkmen, board member at Aksa Energy, one of Turkey's largest independent power producers (IPPs).

What is Turkey doing in energy storage?

Turkey is aligning with the global trend of grid-scale storage and smart grid applications in energy storage technology. Several projects are planned, leveraging Turkey's advantageous position in renewable energy resources.

Can Turkey achieve net-zero emissions by 2053?

Turkey, closely monitoring energy sector trends, has long supported renewable energy investments, resulting in increased installed capacity. 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.

What is happening in Turkey's energy sector in 2022?

During the last quarter of 2022, there was a new update on the legislative frame of the energy sector in Turkey, triggering new promising opportunities for renewable energy and energy storage. Currently, Turkey is Europe's 6th largest electricity market with a 100 GW installed capacity.

Where is Turkey's first solar power plant located?

In 2018, Turkey's first large-scale battery plant was established in Manisa,

integrated with a wind power station. During the following year, Turkey's first grid-connected solar energy and storage facility came into operation in Konya, showcasing simultaneous solar energy generation and battery storage.

Is Türkiye a regulated electricity market?

Türkiye has a semi-liberalized and moderately regulated market. Energy Exchange Istanbul (EXIST) is Türkiye's electricity spot market, which manages day-ahead and intraday markets where 40% of electricity is traded among 854 market participants. EXIST's website features electricity prices in real time.

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