

ContainerPower Energy Solutions

Solar panels power generation in Turkey



Overview

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Turkey is on a mission to significantly expand its solar power capacity by adding 3.4 GW by March 2025, aiming for a total of 21.6 GW. This initiative is a key aspect of the 14th Renewable Energy Resources Area (YEKA) solar power plant tender. The Ministry of Energy and Natural Resources has.

Turkey has emerged as one of the most dynamic and promising solar energy markets globally, with exceptional solar resources averaging 2,740 hours of sunshine annually and radiation levels reaching 1,527 kWh/m². By 2025, the country is projected to exceed 18GW of installed solar capacity.

The combined share of wind and solar energy in Turkey's electricity generation reached 18 percent last year, according to Ember's Turkey Electricity Review 2025, published for the fourth consecutive year, which analyzes electricity generation and consumption data. The increase in installed solar.

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