

# **40 MW of solar power in Tajikistan**





## Overview

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Can solar energy be used in Tajikistan?

Use of available solar energy in Tajikistan can meet 10-20% of energy demand. Estimated potential of solar energy in Tajikistan is about 25 billion kWh / year. This potential is not used, if not to take into account some of its use for water heating.

What is the solar energy potential of Tajikistan?

The climate of Tajikistan is very favorable for the use of solar energy, with an average of 280-330 sunny days per year. The total solar radiation intensity varies during the year between 280 and 925 MJ/m<sup>2</sup> in the foothills, and between 360 and 1120 MJ/m<sup>2</sup> in the highlands. Tajikistan does not have specified solar energy reserves mentioned in the provided text. The text only mentions their coal reserves.

How much electricity is generated in Tajikistan?

Annual electricity generation in the Tajik energy system, consisting mainly of hydro power plants, is 16.5 billion kWh. It should be noted that more than 98% of electricity in Tajikistan is generated by hydropower plants, including 97% - by large and medium HPP.



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### Tajikistan's renewable energy capacity increased significantly

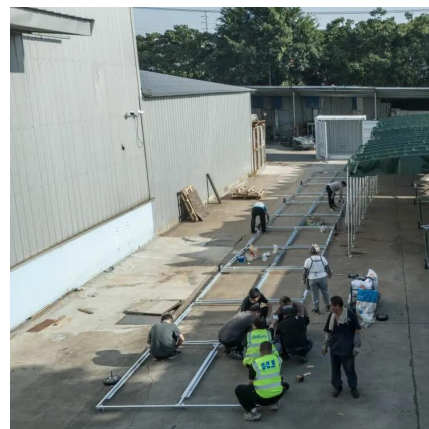
The country receives an average of about 300 sunny days per year, making it attractive for solar energy investments. Additionally, some regions--especially mountainous ...

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### Tajikistan Solar Energy 2025: Essential Power Grid Transformation

Tajikistan is set to significantly expand its solar energy infrastructure in 2025, with plans to develop solar electric power stations (SEPS) in all districts and cities.

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### [Tajikistan Launches Solar Power Plant Tender For 200 MW](#)

The tender for the pre-qualification round was launched on October 18, 2024 with November 12, 2024 as the date to submit applications. Tajikistan aims to add over 1 GW of ...

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### ACWA Power, EDF, Universal Energy bidding to construct 200-MW solar

DUSHANBE. Jan 27 (Interfax) - Tajikistan's Ministry of Energy and Water Resources has announced the results of the preliminary





selection to implement the project to construct a 200 ...

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### **Tajikistan aiming to achieve energy independence by 2027**

The construction of the Sebzor HPP with a capacity of 11 MW will also be completed. These and other projects will increase the country's total energy system capacity ...

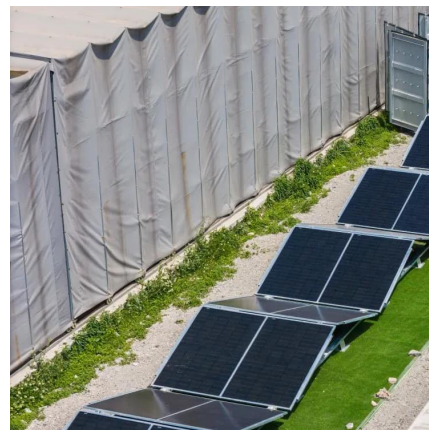
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### **Tajikistan Aims to Generate up to 10% Of Electricity With Solar, ...**

Tajikistan plans to generate up to 10% of its electricity with renewable energy sources such as wind and solar, Energy and Water Resources Minister Daler Juma said at a ...

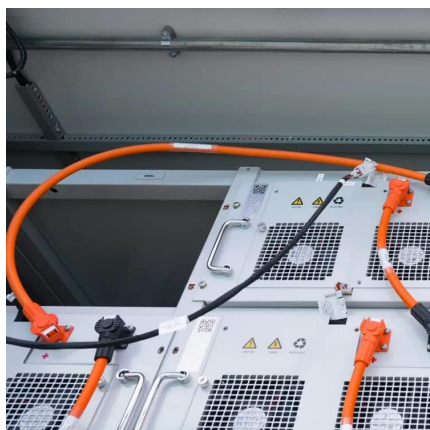
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### **IRENA says Tajikistan tops Central Asia in terms of renewable ...**

Tajikistan has increased its installed capacity of renewable energy sources (RES) by 15.8% over the past 10 years, according to the new annual statistical yearbook of the ...

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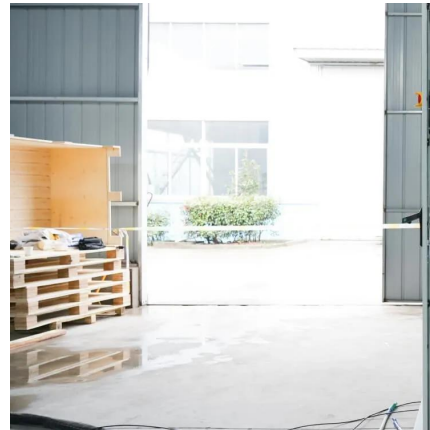




## Tajikistan leads Central Asia in renewable energy capacity

Despite the dominance of hydropower, Tajikistan has significant potential for the development of solar and wind energy. The country receives an average of about 300 sunny ...

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## Punjab Floats EoI for 40 MW Canal Top Solar Power Projects

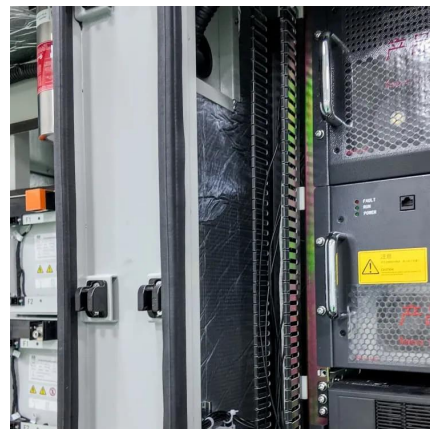
2 days ago· Punjab Energy Development Agency (PEDA) has invited expressions of interest (EoI) to set up 40 MW of canal top solar power projects. Bids must be submitted by September ...

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## Tajikistan intends to increase generation of electricity from solar ...

Tajikistan is continuing cooperation with partners for development on construction of solar power plants. Estimated potential of solar energy in Tajikistan is about 25 billion kWh / ...

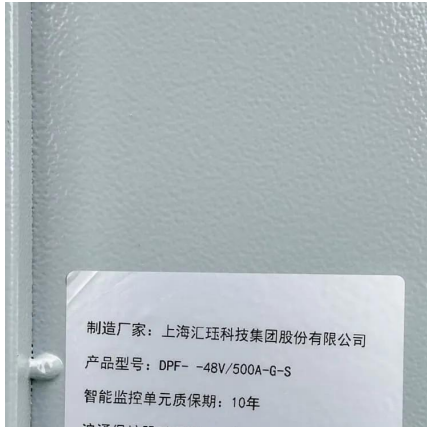
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## China company to build solar power plants with total capacity of ...

Recall, Tajikistan's first solar power plant was launched in Murgab district of the Gorno-Badakhshan Autonomous Region (GBAO) in 2020. This solar plant is a direct result of ...

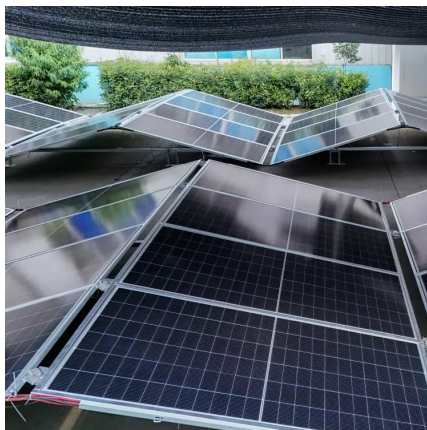
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### [Solar power generation in Tajikistan](#)

What is the share of thermal power plants in Tajikistan? The share of thermal power plants is 318 MW or about 6.1%. Annual electricity generation in the Tajik energy system, consisting mainly ...

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### [Tajikistan to build 200 MW of solar, PV panel factory](#)

Chinese developer Eging PV Technology says it will build a 200 MW solar power station in southwestern Tajikistan. The nation will also construct its first production plant for ...

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