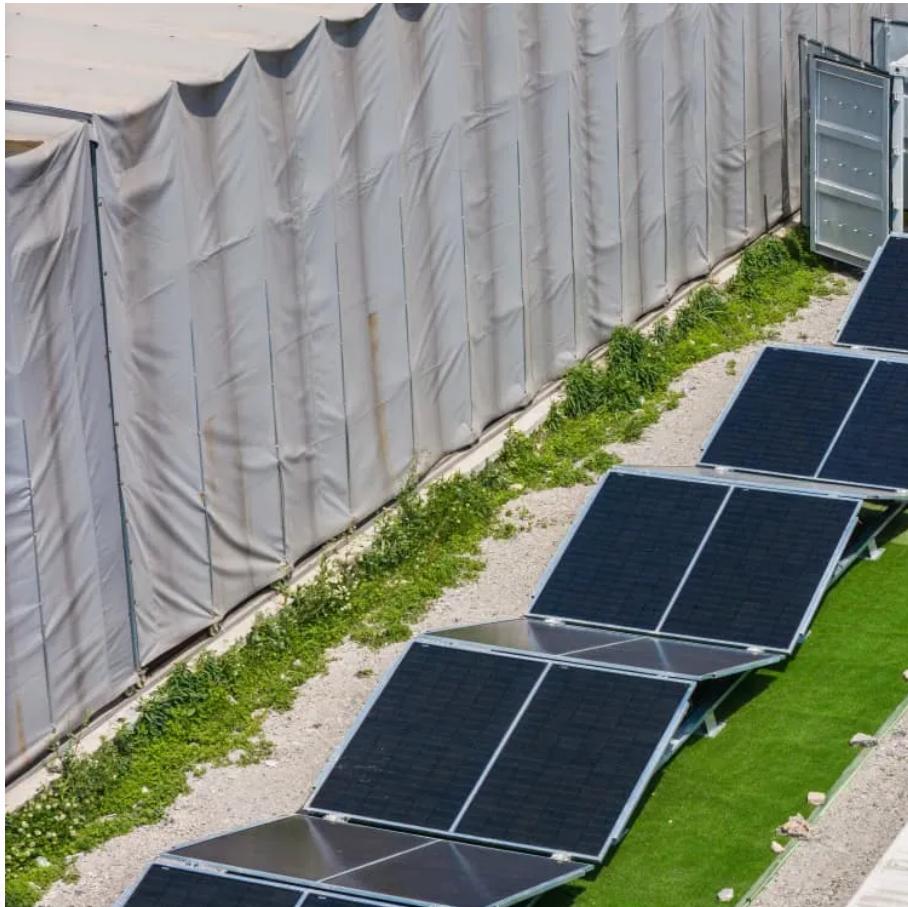




BUHLE POWER

Solar off-grid power system in Tajikistan





Overview

Does Tajikistan use solar energy?

The estimated solar potential is about 25 billion kWh/year in Tajikistan. There are about 2,100 to 3,000 hours of solar energy per year. While this potential has not yet been exploited, Tajikistan does utilize some solar resources for water heating purposes. Share of energy types on cooking energy in urban and rural areas of Tajikistan.

Does Tajikistan have a power system?

The existing electrical transmission and distribution systems of Tajikistan, designed in the 1970s during the Soviet era, are also being upgraded and expanded, allowing transmission of power from Tajikistan to surrounding countries.

Can Tajikistan become a net energy exporter?

The Government of Tajikistan aims to transform itself from a net energy importer to a net energy exporter, on the strength of its potential for hydropower and solar power production. According to the World Bank, Tajikistan's power production is 92 percent hydropower, six percent hydrocarbon, and two percent from other sources.

What is Tajikistan's hydropower potential?

Tajikistan's hydropower potential is estimated at 527 billion kWh per year, which exceeds the existing electricity consumption of the countries of Central Asia by 300%. The country's largest project is the Roghun Dam Hydropower Plant project, which when completed is estimated to produce 3600 Megawatts of energy.



Solar off-grid power system in Tajikistan



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