



# Kyrgyzstan solar islands

Does Kyrgyzstan have solar energy?

Kyrgyzstan's geographic location and climatic conditions are quite favourable for the broader development of solar energy, evident in solar radiation maps.

How much does Kyrgyz energy project cost?

The project has a multi-phase programmatic approach with a financing envelope of \$125.7 million over 10 years. The first phase of the project will focus on supporting the Kyrgyz Republic to increase hydropower generation and enable renewable energy integration by strengthening the country's transmission systems.

Where does power come from in Kyrgyzstan?

In Kyrgyzstan's predominantly mountainous terrain, winds of constant direction and strength sufficient for power generation can only be found in remote and sparsely populated areas.

When will the Phase 1 project be implemented in Kyrgyz Republic?

The Phase 1 project will be implemented during 2024-2028 by the Ministry of Energy of the Kyrgyz Republic, in compliance with strict international standards including procurement and financial management regulations and anti-corruption guidelines.

How has the World Bank partnered with Kyrgyz Republic?

The 30-year partnership between the World Bank and the Kyrgyz Republic has brought about significant development gains in all major sectors of the economy through investments of \$2.8 billion in 150 projects, technical assistance, and advisory and analytics.

Why does Kyrgyzstan lack technology research and development?

Technology research and development is almost non-existent in Kyrgyzstan: the main reasons for this are a lack of funding (state funding of research institutes under the National Academy of Science is insufficient) and the country's small market. The most recent research by the National Academy of Science includes:

"Rehabilitated and new small and medium hydropower plants coupled with solar power investments will help mitigate the country's power supply challenge in the interim before large hydropower projects such as Kambarata 1 are realized.

"Kyrgyzstan has abundant potential to develop a wider range of clean energy resources, including solar and floating solar, which will deliver greater energy security and support better management of water resources," said Abdulla Zayed, Head of Development and Investment, Asia, at Masdar.

The floating solar power plant, one of the largest of its kind, will be developed in two phases, with a combined capacity of 1,224 MWp (1,000 MW AC) and an annual generation capacity of 2 TWh of clean energy.

The Eurasian Development Bank and Bishkek Solar have signed an agreement to finance the construction of a 300 MW solar plant in the village of Toru-Aigyr, in eastern Kyrgyzstan's Issyk-Kul...

This Kyrgyz-U.S. partnership was made possible through the United States Agency for International Development's (USAID) Power Central Asia activity. The 80-kilowatt solar power installation was completed in September and will yield ...

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This Kyrgyz-U.S. partnership was made possible through the United States Agency for International Development's (USAID) Power Central Asia activity. The 80-kilowatt solar power installation was completed in September and will yield 143,037 kilowatt hours annually.

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The Eurasian Development Bank (EDB) announced on Tuesday the signing of a cooperation deal with Bishkek Solar in connection with a 300-MW solar photovoltaic (PV) project in the Kyrgyz Republic, or Kyrgyzstan.

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