

Will Uzbekistan fund a 250-megawatt solar photovoltaic plant?

TASHKENT, May 21, 2024 -- The World Bank Group, Abu Dhabi Future Energy Company PJSC (Masdar), and the Government of Uzbekistan have signed a financial package to fund a 250-megawatt (MW) solar photovoltaic plant with a 63-MW battery energy storage system (BESS).

What is solar energy potential in Uzbekistan?

The solar energy gross potential totals  $2.134 \times 10^3$  PJ, while technical potential is estimated at 411.7 PJ, which is equivalent to almost four times the country's current primary energy consumption (Table 1). Table 1 Renewable energy source potential in Uzbekistan

Who collects energy statistics in Uzbekistan?

The State Committee of the Republic of Uzbekistan on Statistics is the official authority collecting energy statistics. It will play an important role in the future in collecting data on off-grid solar photovoltaics and solar heat use in households.

Which companies are launching large-scale solar PV projects in Uzbekistan?

| Table 2 | Announced large-scale solar PV projects in Uzbekistan | Year awarded | Project location | Offered capacity | Awarded tariff                                | Supply period | Awarded company |
|---------|---|--------------|------------------|------------------|---|---------------|-----------------|
| 2020    | Karmana district, Navoi region                        | 100 MW       | 26.79 USD/MWh    | 25 years         | Abu Dhabi Future Energy Company PJSC (Masdar) |               |                 |
| 2021    | Samarkand region                                      | 100 MW       | n/a              | 25 years         | Total Eren                                    |               |                 |

Is Uzbekistan a good place for solar energy?

Uzbekistan has great potential for solar energy due to its high levels of solar radiation and large areas of barren land that can be used for solar power plants. The country receives an average of around 300 sunny days per year, making it an ideal location for solar power generation. Graphs are unavailable due to technical issues.

How many MW solar projects are available in Uzbekistan?

The government of Uzbekistan in co-operation with international financial institutions, has announced tenders for large-scale solar projects amounting to 2,050 MW, 1,300 MW of which had been awarded at competitive prices as of December 2021 (see Table 2).

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The Ministry of Energy of the Republic of Uzbekistan is pleased to announce that in line with the Concept Note for ensuring electricity supply in Uzbekistan in 2020-2030 and implementing a large-scale renewable energy strategy the launch of the third solar photovoltaic PPP project, under "Uzbek Solar" program is planned



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We have enough experience in the production, design, installation and installation of solar modules, autonomous, light and hybrid photovoltaic stations of any capacity. To date, over a thousand photovoltaic stations have been installed by ...

With its wealth of sunlight and supportive government initiatives, the country has immense potential to scale up solar power generation. By harnessing the power of the sun, Uzbekistan can reduce greenhouse gas emissions, enhance energy security, and create a greener and healthier environment for its citizens.

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In August 2021, President of Uzbekistan Shavkat Mirziyoyev announced the official commencement of operation of the country's first PV power station, the Nur Navoi Solar ...

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of solar energy in Uzbekistan, the report presents a roadmap for solar energy by 2030. It provides examples of international best practices in solar energy deployment from IEA member and ssociation a countries. It then outlines the policies and measures needed for Uzbekistan to harness the benefits of solar energy securely. These are

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Uzbekistan is making strides in renewable energy, aiming to exceed 18,000 MW of solar and wind capacity by 2030, which will enable the country to generate 40% of its electricity from sustainable sources, save billions of cubic meters of natural gas, and reduce harmful emissions.

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