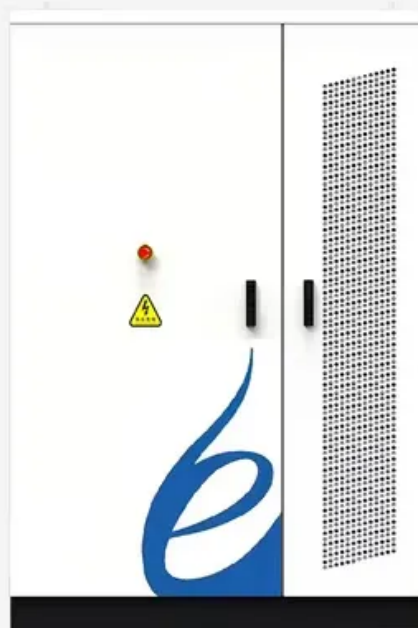


# **Uzbekistan photovoltaic power generation and energy storage investment and construction**





## Overview

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In 2025 alone, Uzbekistan plans to launch 12 solar power plants, 4 wind farms, and 12 energy storage systems. These projects represent over \$5 billion in investment and will provide a combined generation capacity of approximately 9 billion kilowatt-hours. 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).

How to make solar energy a key energy source in Uzbekistan?

The policy and regulatory frameworks enabling further solar energy deployment in Uzbekistan. Increasing power system flexibility to integrate the increasing amount of solar generation. Finally, the recommended actions are a co-ordinated package of measures to implement to make solar energy the key energy source in Uzbekistan in 2030 and beyond.

What is a large-scale solar PV project in Uzbekistan?

Large-scale solar PV projects have been subject to competitive bidding processes in Uzbekistan since 2019 and an awarded project can sign a long-term contract with NEGU at a fixed tariff, as noted above. The government of Uzbekistan also aims to develop small- and medium-scale solar projects.

How is Uzbek attracting private sector investment in large-scale solar power projects?

As was described earlier, the Uzbek government, with financial and technical assistance from international financial institutions, has implemented competitive bidding processes to attract private sector investment in large-scale solar power projects since the enactment of the Law on PPP in 2019.

What is Uzbekistan's solar energy vision?



It outlines the sustainable energy environment solar energy could deliver and offers a timeline up to 2030. In this vision, Uzbekistan succeeds in maximising the benefits of solar energy capacity for both electricity and heat, making solar energy one of the country's major energy sources.

How can Uzbekistan improve the use of solar energy resources?

To enhance the use of solar energy resources in Uzbekistan, we recommend the government consider incorporating, as appropriate, all measures listed in the roadmap into its solar energy strategy toward 2030 and beyond. BNEF (Bloomberg New Energy Finance) (2019), Industrial Heat: Deep Decarbonization Opportunities.



## Uzbekistan photovoltaic power generation and energy storage investment

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### [Uzbekistan to launch 16 green power plants by year-end](#)

In particular, by the end of this year, 12 solar and 4 wind power plants, along with 12 energy storage systems, will be launched. The total investment in these projects will ...

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### Uzbekistan Accelerates Green Energy Transition with \$6 Bln in ...

In 2025 alone, Uzbekistan plans to launch 12 solar power plants, 4 wind farms, and 12 energy storage systems. These projects represent over \$5 billion in investment and will ...

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### [A solar energy roadmap for Uzbekistan by 2030](#)

To satisfy growing energy demand while promoting renewable energy use, the government of Uzbekistan has adopted a wide range of energy strategies and laws and has been undertaking ...

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### Voltalia secures 25-year PPA for hybrid project in Uzbekistan

The PPA extends for 25 years for solar and wind energy and 15 years for storage, ensuring long-term financial viability for the project. The project is expected to meet ...



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### [Uzbekistan starts construction work of 500 MW solar project](#)

The Uzbek Government has announced the start of construction work of a 500 MW solar PV power plant in the Besharyk district, in the Fergana region of eastern Uzbekistan. The ...

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### **Uzbekistan to Build New Solar Plant and First Battery Energy Storage**

The World Bank Group, Abu Dhabi Future Energy Company PJSC, and the Government of Uzbekistan have signed a financial package to fund a 250-megawatt solar ...



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### **Uzbekistan to launch \$5 billion worth of energy facilities and start ...**

By the end of the year, Uzbekistan plans to launch 12 solar and 4 wind power plants, along with 12 energy storage systems worth over \$5 billion. 18 energy-intensive sectors ...

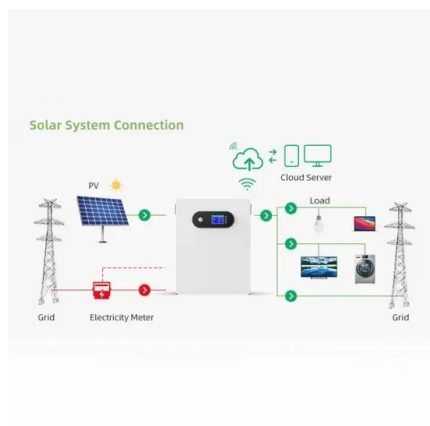
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## Investment policy implementation and green energy development ...

In particular, in 2024, it is planned to increase the total capacity of solar power plants to 2.6 gigawatts, wind farms to 900 megawatts, and launch energy storage devices with a capacity of ...

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## Uzbekistan to Build New Solar Plant and First Battery Energy ...

The World Bank Group, Abu Dhabi Future Energy Company PJSC, and the Government of Uzbekistan have signed a financial package to fund a 250-megawatt solar ...

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## [Solar Energy Policy in Uzbekistan: A Roadmap](#)

Uzbekistan's energy sector is currently undergoing a large-scale transition. The key institutions and stakeholders for energy policy making and its implementation are summarised below.

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## Uzbekistan to Build New Solar Plant and First Battery Energy Storage

Tashkent, Uzbekistan, May 21, 2024 -- The World Bank Group, Abu Dhabi Future Energy Company PJSC (Masdar), and the Government of Uzbekistan have signed a financial ...

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## [Tashkent Solar PV and BESS Project Republic of Uzbekistan](#)

On 14 June 2023, the Presidential Resolution No. PQ-189 on Measures to Implement the Investment Project 'Construction of Solar Photovoltaic Power Plant and Electricity Storage ...

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## **President Launches Construction of Uzbekistan Solar Power ...**

The 500 MW solar power plant co-invested by Uzbekistan and Hyper Partners and energy storage through an investment by China's Gezhouba Group are prime examples.

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## [UZBEKISTAN SOLAR AND RENEWABLE ENERGY STORAGE ...](#)

Uzbekistan Energy Storage System Project Uzbekistan's first energy storage facility, with a 150 MW capacity, will launch in the Fergana region in January 2025, according to the National ...

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## **Uzbekistan's Solar Plant and Energy Storage Build Backed by ...**

The World Bank Group, along with Masdar and the Government of Uzbekistan, has recently signed a financial package to support the construction of a 250-megawatt solar ...

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## Uzbekistan to commission 12 solar, 4 wind power plants and 12 storage

To address this, 12 major pumping stations will be upgraded and equipped with 75-100 megawatt solar power plants and 50 megawatt storage systems. These ...

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## [Uzbekistan to Build New Solar Plant and First Battery ...](#)

Tashkent, Uzbekistan, May 21, 2024 -- The World Bank Group, Abu Dhabi Future Energy Company PJSC (Masdar), and the Government of Uzbekistan have ...

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## #Uzbekistan and ACWA Power Signed [today, 4 March] #Investment ...

#Uzbekistan and ACWA Power Signed [today, 4 March] #Investment and #PPA Agreements For the Construction of Two #Solar #PV #Power Plants with 1,400 MW Capacity ...

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## Uzbekistan to commission 12 solar, 4 wind power plants and 12 ...

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