

## SolarTech Power Solutions

# Uzbekistan commercial energy storage solution



## Overview

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The Project involves the construction, ownership and operation of solar power plants that can generate 1,000 MW, equivalent to the annual electricity consumption of approximately 600,000 households, and large-scale battery energy storage systems (BESS), with a total storage capacity of 1,336 MWh.

Uzbekistan's energy portfolio has historically been dominated by natural gas. Japan's Sumitomo Corporation, Shikoku Electric Power (Yonden), Chubu Electric Power, and Saudi's ACWA Power have secured financing agreements to develop Uzbekistan's largest solar and battery energy storage system (BESS).

Tashkent, Uzbekistan, January 24, 2025 /PRNewswire/ – Sungrow, a global leader in PV inverters and energy storage systems (ESS), in collaboration with China Energy Engineering Corporation (CEEC), is proud to announce the successful commissioning of the Lochin 150MW/300MWh energy storage project in.

ADB and partners mobilize financing for solar and battery projects in Uzbekistan bringing clean energy to around 600,000 homes and promoting green growth. TASHKENT, UZBEKISTAN (29 October 2025) — The Asian Development Bank (ADB), together with ACWA Power Company, Sumitomo Corporation, Chubu.

With generous subsidies covering up to 40% of system costs, rapid capacity growth, and an urgent need to stabilize its power grid, Uzbekistan is quietly

becoming a hotspot for solar and energy storage investments. In this article, I will share with you what I've collected this June, including a.

Energy storage systems (ESS) are essential in addressing the intermittency of renewable energy sources and ensuring grid stability. By storing surplus energy generated during peak production and deploying it during high demand, such as using solar energy produced during the day to meet peak evening. Does Uzbekistan need energy storage?

By 2030, Uzbekistan aims to source over 40% of its electricity from renewables, demonstrating its commitment to sustainability. The plan also includes advancing energy storage, with a 300 MW lithium-ion system debuting in 2024 and a goal of 4.2 GW storage capacity by 2030. [The Role of Energy Storage in Renewable Energy.](#)

Why are ESS solutions important for Uzbekistan?

Internationally certified advanced ESS solutions also enhance grid reliability, making them indispensable for modernizing energy infrastructure. By integrating ESS into their energy mix, countries like Uzbekistan can secure energy independence while aligning with global sustainability goals.

Does Uzbekistan need advanced ESS?

As Uzbekistan scales up its renewable energy ambitions, the integration of advanced ESS becomes crucial. Trina Storage, a dedicated business unit of Trina Solar, offers state-of-the-art solutions designed to address the complexities of renewable energy integration, ensuring stability, efficiency, and reliability in energy supply.

How is Uzbekistan transforming its energy sector?

Uzbekistan is rapidly transforming its energy sector with a focus on renewable energy to reduce reliance on fossil fuels. Since 2021, the country has added 10 new renewable plants, including nine solar and one wind facility, with a total capacity exceeding 2,500 MW, alongside over 2,200 MW from hydroelectric plants.

Will Trina Solar support Uzbekistan's energy transition?

Trina Solar stands ready to support Uzbekistan's ambitious energy transition, combining technical innovation with a deep understanding of local needs. Using Trina's advanced technology, the country can meet its renewable

energy goals for 2030, creating a sustainable, reliable, and secure energy supply.

What does the Uzbekistan agreement entail?

The agreement also aligns with our growing Uzbekistan portfolio, which includes wind power plants in multiple regions and the country's first green hydrogen plant that will produce 3,000 metric tons of green hydrogen per year.

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