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# Uzbekistan Peak-Valley Energy Storage Prices

## Overview

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.

How much renewable power does Uzbekistan have?

Uzbekistan targets 27 GW of renewable capacity by 2030, i.e., 50% more than its current installed capacity (2023). JSC "Thermal Power Plants" is the largest power utility with 70% of the total capacity. Uzbekneftegaz is the national oil and gas company. Natural gas accounts for 87% of the power mix.

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.

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 much gas does Uzbekistan have?

Uzbekistan has large gas reserves (around 867 bcm of proven reserves) and more modest oil reserves (around 81 Mt) (end of 2023). Around 80% of gas

reserves are located in the Amu Darya basin in the Bukhara region. The country also has significant uranium reserves (50 Mt). Uzbekneftegaz has increased the gas prices several times.

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.

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