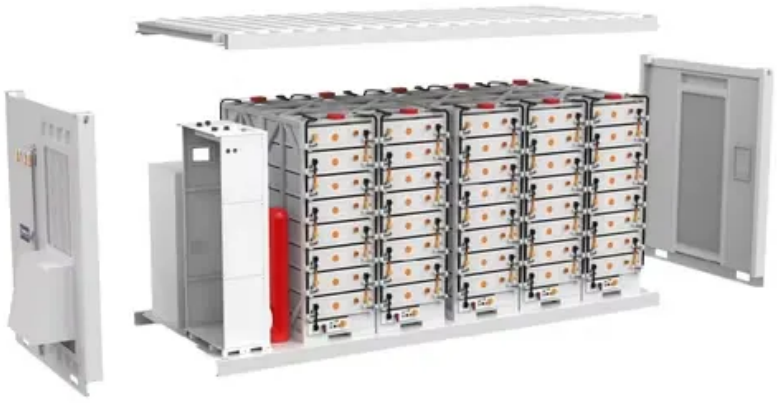
SolarMax Energy Systems

Uzbekistan Energy Storage Power Frequency Regulation



Overview

Should Uzbekistan reform its energy sector?

A tariff reform should be placed at the heart of Uzbekistan’s efforts to reform its energy sector. Natural gas could be saved through improved efficiency, substituted with renewable energy in power generation and turned into higher-value-added petrochemicals.

How can Uzbekistan strengthen its energy security?

By minimising reliance on gas imports and pursuing the decarbonization of its economy, Uzbekistan can strengthen its energy security. Uzbekistan’s decarbonization efforts depend on strengthening cross-border energy flows, particularly through enhanced power transmission and a more flexible regional electricity trade.

Why is the Uzbek power network important?

When operational, the transmission network will integrate the power systems of Central and South Asia and enable parallel operations, mutually increasing energy system resilience. The Uzbek power system lacks flexible generating capacity, resulting in challenges balancing supply and demand.

How is Uzbekistan diversifying its power generation?

That being said, Uzbekistan is making progress toward diversifying its power generation with the use of renewable sources. For example, in terms of the economy, over 80 percent of total energy use is still generated by gas; as far as power generation goes, its genesis remains equally dominant.

What is Uzbekistan's energy policy?

Since the beginning of independence, the Govern-ment of Uzbekistan has implemented its energy policy as part of its socio-economic policy, focusing it largely on maintaining Uzbekistan’s energy secu-rity and using energy resources to further the social aims of the society of Uzbekistan.

How much electricity does Uzbekistan import?

Its cross-border capacity is 4,150 MW, 27.6% of the country's installed capacity: 1,000 MW with Kazakhstan, 850 MW with Tajikistan, 450 MW with Afghanistan, 850 MW with Turkmenistan, and 1,000 MW with Kyrgyzstan. Historically, net electricity trade was balanced near zero, but in 2019, Uzbekistan became a net importer.

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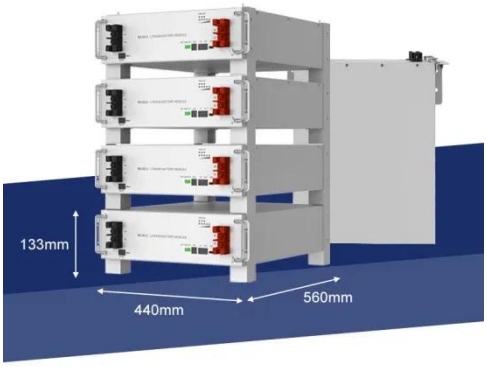

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Law of the Republic of Uzbekistan "About power industry"

the company of power industry - the legal entity performing activities for production, transfer, storage, distribution, purchase, sale of electrical energy or the organization of the ...

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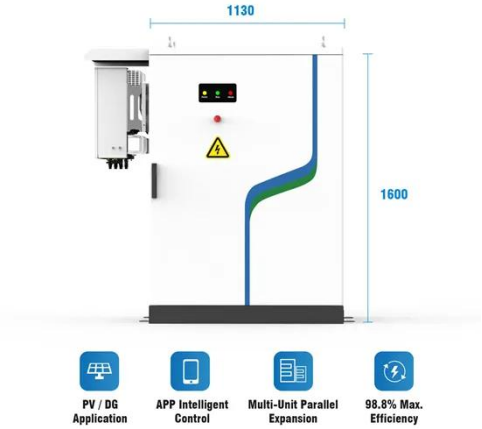

Chapter 1. General provisions

A group of electric power companies whose shares are directly or indirectly owned by the state shall not be considered a single vertically integrated electric power enterprise; electric power ...

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