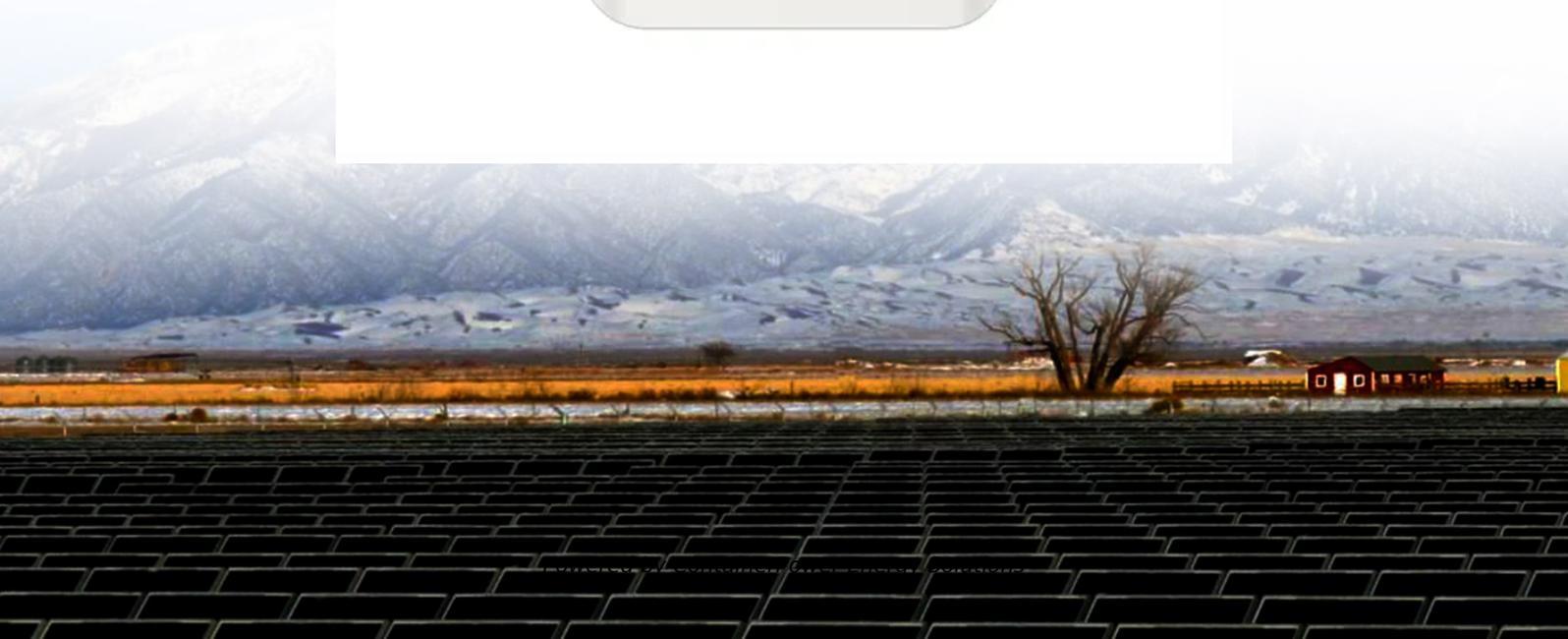


ContainerPower Energy Solutions

How much does a Vietnam energy storage power station cost



Overview

An energy storage project costing nearly \$3 million will be built in Khanh Hoa Province as part of a new joint venture. Funded by the U.S. Mission Vietnam, the project aims to demonstrate how it can reduce power losses and help Vietnam integrate more renewable energy into the nation's.

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- On April 26, 2025, the Ministry of Industry and Trade (MOIT) officially issued Decision No. 1198/QD-BCT, approving the electricity generation price framework for pumped storage hydropower plants for the year 2025. Under the new framework, the maximum generation price applicable to pumped storage.

In 2023, power shortages were estimated to have cost Vietnam's economy an estimated US\$1.4 billion. This was attributed to water shortages for hydropower and a lack of a sufficient supply of coal, however, underinvestment in power infrastructure also played a role. This is in large part because EVN.

In 2023 alone, blackouts cost the economy \$1.4 billion [5]. Enter energy storage sharing power stations —think of them as giant "power banks" for the national grid. These shared facilities are becoming Vietnam's secret weapon to balance renewable energy spikes and keep the lights on. Let's unpack.

Vietnam's total power demand is expected to grow 10% annually during the period 2021-2024, and power shortages are expected to increase in different regions of the country. It has been estimated that there will be a power shortage of nearly 400 million kWh in 2021, and it will reach a peak of 13.3.

ASEAN Centre for Energy (ACE) is an intergovernmental organisation within ASEAN structure that represents the 10 ASEAN Member States' (AMS) interests in the energy sector. Copyright © 2025 ASEAN Centre for Energy. All

rights reserved An energy storage project costing nearly \$3 million will be built.

At a meeting on Wednesday, the ADB side, represented by Andrew Jeffries, advisor, Energy Transition Mechanism and Partnerships, proposed building a pilot 50MW/50MWh BESS project near Hanoi. A meeting between EVN and ADB to discuss the BESS project, Hanoi, August 14, 2024. Photo courtesy of EVN. The. How much does electricity cost in Vietnam?

In May 2025, and Vietnam's average electricity price per kWh was set at VND 2,204.07 or about US \$0.084, excluding value-added tax (VAT), per Decision 599/QD-EVN. This was an increase from an average electricity price per kWh of VND 2,103.1159 or about US \$0.0836, excluding value-added tax (VAT), per Decision 2699/QD-BCT, from October 2024.

Can battery energy storage systems stabilize Vietnam's grid?

Sunita Dubey and Hyunjung Lee share how Vietnam is leveraging Battery Energy Storage Systems to stabilize their grid and accelerate the energy transition.

Who manages the electricity market in Vietnam?

The Ministry of Industry and Transport is the government body in charge of managing Vietnam's electricity market and supply. It does this through the wholly state-owned power company Electricity Vietnam commonly known as EVN. EVN generates some power, but also buys power from wholesalers, and sells electricity to consumers.

How much did power shortages cost Vietnam in 2023?

In 2023, power shortages were estimated to have cost Vietnam's economy an estimated US\$1.4 billion. This was attributed to water shortages for hydropower and a lack of a sufficient supply of coal, however, underinvestment in power infrastructure also played a role.

How are electricity prices regulated in Vietnam?

Electricity prices in Vietnam are regulated by the government and vary by sector, voltage level, time of day (normal, off-peak, peak), and geography. Businesses in industrial parks, service sectors, or using wholesale arrangements may face different pricing structures.

What was Vietnam's Electricity price in 2025?

Vietnam's electricity price per kwh in 2025 was VND 2,103.1159 or about US \$0.0836 (from October 2024). Note that this is an average and that prices vary by user type.

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