

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.

What is battery energy storage system (BESS)?

Battery Energy Storage Systems (BESS) play a pivotal role in addressing these challenges by minimising the intermittency of renewables, enhancing grid flexibility, and ensuring reliable power supply. In a significant development, Vietnam Electricity (EVN) has secured approval for its first pilot BESS project with a capacity of 50 MW/50MWh.

What is the largest electricity storage project in Vietnam?

The largest electricity storage project in Vietnam is the Bac Ai Pumped Storage Hydropower Project. Located in Ninh Thuan province, the project has a capacity of 1,200 MW and is expected to play a crucial role in stabilizing the grid when it completes in a few years.

How can government support energy storage in Vietnam?

Government support through policy reformations, training and upskilling programs, well-planned roadmaps, awareness campaigns, and other initiatives can further attract private investment and international support.

Emulating Vietnam's Strategic Approach to Energy Storage

The plan also called for 300MW of battery storage deployment and 2,400MW of pumped hydro energy storage (PHES) by 2030. State-owned public power company Vietnam Electricity (VE), ...

Hanoi, June 26, 2025 - Amid a strong energy transition and Viet Nam's efforts to fulfill its commitments toward achieving net-zero emissions by 2050, the research and deployment of Battery Energy ...

At the same time, the demand for battery energy storage systems (BESSs) is accelerating, driven by Vietnam's abundant renewable energy (RE) potential, particularly in solar and ...

These factors create favorable conditions for the initiation and scaling of Vietnam's domestic electrochemical energy storage market. Against this background, this article examines the ...

EVN's 50 MW Battery Energy Storage Systems (BESS) pilot project, in collaboration with ADB and GEAPP, aims for 300 MW by 2030. Vietnam is the fastest-growing energy market in Asia, ...

One of the key highlights of Vietnam's revised Power Development Plan VIII (PDP8) is the significant increase in the targets for Battery Energy Storage Systems (BESS).

The Ministry of Industry and Trade is actively researching policies to incorporate energy storage batteries into Vietnam's energy landscape. As the country strives to enhance its renewable ...

Vietnam is accelerating efforts to develop a large-scale battery storage market, aiming to strengthen its renewable energy transition. On September 12, Hanoi hosted a regional roundtable on ...

Abstract: Vietnam's rapid expansion in renewable energy, particularly solar and wind, necessitates the adoption of Battery Electricity Storage Systems (BESS) to address the intermittency ...

Vietnam is one of the first three countries selected for a pilot program under a new partnership initiative between the Asian Development Bank (ADB) and the Global Energy Alliance for ...

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