

SolarInnovate Energy Solutions

Hanoi Smart Energy Storage Battery



Overview

This project, developed by Vietnam Electricity (EVN) in collaboration with the Asian Development Bank (ADB), Rocky Mountain Institute (RMI), Global Energy Alliance for People and Planet (GEAPP), and the Vietnam Energy Institute, marks a crucial step towards Vietnam's target of developing 300MW of energy storage by 2030, as outlined in the latest Eighth Power Development Plan (PDP 8). 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.

Why should Vietnam invest in a lithium battery?

The declining cost of lithium battery cells, coupled with technological advancements, has made BESS increasingly affordable and accessible, according to Contemporary Amperex Technology, the world's largest battery manufacturer. Vietnam should capitalise on this trend to attract investment, create green jobs, and enhance energy security.

How can Bess help Vietnam achieve energy security & sustainability?

As Vietnam charts its path towards energy security and sustainability, the integration of BESS emerges as a critical enabler of this transition. By embracing BESS, Vietnam has the potential to lead the way in clean energy innovation, fuelling economic growth while safeguarding the planet for future generations.

How can battery energy storage systems improve power supply?

The variability of renewable energy sources, combined with the increasing demand often results in unreliable supply and frequent power shortages. 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.

Did Marubeni launch a megawatt-scale battery storage demonstration project in Vietnam?

The project's official inauguration event held in December. Image: VinGroup. A green energy subsidiary of Japanese conglomerate Marubeni has brought online a megawatt-scale battery storage demonstration project in Vietnam.

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How Battery Energy Storage Systems Can Transform Vietnam's Energy

Dec 13, 2024 · These systems use advanced technologies like lithium-ion batteries to store energy during off-peak periods and release it during peak demand or when renewable sources ...

Fluence and ACE Engineering Open 35 GWh Smart Energy Storage ...

4 days ago · Fluence Energy, Inc., a global leader in intelligent energy storage solutions, has partnered with ACE Engineering to inaugurate a state-of-the-art automated production facility ...



Australian and WA Governments Back Five New Community Batteries ...

4 days ago · The Albanese Government and the Cook Labor Government have unveiled five new community batteries across Perth, designed to lower household energy costs, cut emissions, ...

Rang Dong and VinFast Energy partner on advanced energy storage

Mar 28, 2025 · The partnership, inked on March 27, focuses on battery energy storage systems (BESS) integrated with smart lighting to enhance energy efficiency, cut costs, and improve ...



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