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Vietnam Electric Energy Storage Battery Factory



Overview

Global energy storage technology and energy software services provider Fluence and ACE Engineering have opened a new automated battery storage manufacturing facility in Vietnam's Bac Giang Province. 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.

Why is Vietnam developing a battery industry?

In recent years, Vietnam has witnessed significant developments in its battery manufacturing technology. Driven by the growing demand for energy storage solutions, the expansion of the electric vehicle market, and the government's push towards renewable energy, the country's battery industry is evolving rapidly.

What is the current state of battery manufacturing in Vietnam?

Current State of Battery Manufacturing in Vietnam Vietnam's battery market is currently dominated by lead-acid batteries, which account for more than 60% of the market share in automotive applications.

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 are the challenges facing Vietnam's battery manufacturing industry?

Technical Expertise and Skilled Labor: One of the major challenges facing Vietnam's battery manufacturing industry is the shortage of technical

expertise and skilled labor. Battery manufacturing requires a high level of technical knowledge and skills in areas such as electrochemistry, materials science, and engineering.

What is the car battery market in Vietnam?

Vietnam's battery market is currently dominated by lead-acid batteries, which account for more than 60% of the market share in automotive applications. Companies like Pinaco hold a significant portion of the car battery market, supplying to major automobile and motorbike manufacturers in the country.

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