

Benefits of energy storage vietnam

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 energy capacity, battery energy storage systems will play a crucial role in ensuring a reliable and sustainable energy future.

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.

Vietnam's Power Development Plan VIII (PDPVIII) aims to achieve 300 MW of BESS by 2030. While BESS is relatively new in Vietnam, many countries have already adopted this technology due to its benefits, which include peak shifting, frequency and load management, renewable energy integration, black start capabilities, and transmission deferral.

In order for Vietnam to have the conditions and effective measures to mitigate greenhouse gas emissions, and achieve carbon neutrality by 2050 as committed, the role of energy storage, taking advantage of excess energy storage due to renewable energy sources that cannot be moderated during off-peak hours of demand, as well as re-streaming into ...

Leaving aside the established benefits of renewable energy, installing storage batteries with solar panels can help stabilize grids, including preventing blackouts. The National Load Dispatch Center (NLDC) reports that there were 29 blackouts in the Vietnamese electrical system in 2022.

Policies and ethics



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