

Energy storage technologies vietnam

Pham Dang An, deputy general director of Vu Phong Energy Group, emphasized that BESS is becoming increasingly vital for ensuring energy security and fostering sustainable growth.

Given such benefits, An suggested that the government establish a comprehensive policy framework that will include financial support and future technical standards to ensure the quality and safety of storage systems.

Sunita Dubey, regional lead and Vietnam country representative at the Global Energy Alliance for People and Planet (GEAPP), noted that Vietnam's share of renewable energy continues to grow.

Dubey highlighted that major global companies, including Apple, Microsoft, Samsung, Nike, PepsiCo, Procter & Gamble, Nestl?, and Unilever, have been committed to using 100 percent renewable energy.

Currently, GEAPP is testing a battery energy storage system that integrates with the national grid for the first time, in collaboration with the Asian Development Bank, Rocky Mountain Institute, and the Vietnam Energy Institute (VEI).

She explained that by storing energy during periods of low demand and releasing it during peak times, BESS can enhance the flexibility of the grid system, reduce carbon emissions, and lower electricity costs.

According to data from leading battery suppliers, Dubey pointed out that technological innovations are making BESS more accessible, while the cost of manufacturing lithium batteries has steadily decreased.

As policymakers confer on the pivotal role of BESS in advancing renewable energy initiatives and bolstering domestic battery production, collaborative efforts are already underway to seamlessly integrate storage into the nation's electric grid.

The Power Development Plan for the 2021-30 period envisions developments through 2050 (PDP VIII), with Vietnam's Ministry of Industry and Trade aiming to establish a power capacity of 300 MW from BESS by 2030.

The ministry asserted that incorporating storage batteries into the grid would ensure safe operation and enhance the power system's capacity to absorb renewable energy.

VEI has been tasked by the ministry with developing this project. The institute will provide technical consultations to review and refine the project, which will be submitted to the prime minister as part of the ongoing revision of PDP VIII.



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Deputy Prime Minister Tran Hong Ha has requested that the ministry evaluate proposals for establishing power storage systems to allow for the purchase of 100 percent surplus electricity from rooftop solar energy systems at varying rates and times.

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Web: <https://hollanddutchtours.nl/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

