

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.

How can Viet Nam become a smarter power system?

This has been a policy challenge for the industry to achieve more substantial progress in smart grids, making the power system not only more modern but also a smarter one for Viet Nam. Regulations for smart appliances capable of adjusting the demand based on supply conditions or electricity tariff.

Can BESS be integrated into Vietnam's power grid?

In an effort to facilitate the integration of BESS into Vietnam's power grid, the Electricity and Renewable Energy Authority (EREA) of the Ministry of Industry and Trade recently hosted a technical workshop in collaboration with GEAPP.

How does DPPA affect Vietnam's Electricity Market?

This is a factor that has a strong impact on Vietnam's electricity market. The DPPA mechanism allows large consumers to buy electricity directly from renewable energy power plants. Power transactions between parties are conducted via the spot market in accordance with the rules and regulations of VWEM.

What is IES & EWEC report on Vietnam Smart Grid development?

This Deliverable 2 - Report on Current Status of Smart Grid Development in Viet Nam has been prepared by Intelligent Energy Systems Pty Ltd (IES) and East West Energy and Climate Link JSC (EWEC) for the project titled "Development of Vietnam Smart Grid Roadmap for period up to year 2030, with a vision to 2050".

Does Viet Nam have a power system?

Over the last decade, Viet Nam's power system has significantly expanded in terms of both its installed capacity and system peak demand (Pmax). At present, the system's total installed capacity has reached to around 84 GW, of which coal, hydro and gas contribute about 31%, 21% and 8.5% respectively.

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This smart power system has to overcome the problems arising in conventional power systems like control

against frequency deviation, poor power quality, and higher energy losses. This modern power grid shall monitor and control the power flows from power generation to end-users' consumption points in real-time with the help of grid automation ...

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The Smart Grid Power Systems (SPS) lab, including faculty members Lingling Fan and Zhixin Miao, has focus areas of modeling and control of wind and solar energy systems, high power electronics applications in smart grids, microgrids and wide area measurement applications. In renewable energy grid integration area, our research provides ...

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