

# TECHNOLOGY DEVELOPMENT POLANDSA

## VIETNAM ENERGY STORAGE PROJECT



Can battery energy storage systems be integrated into Vietnam's power grid? Hanoi, Vietnam | June 21, 2024 ??? The Ministry of Industry and Trade (MOIT)???s Electricity and Renewable Energy Authority (EREA) and the Global Energy Alliance for People and Planet (GEAPP) hosted a technical workshop this month focused on integrating battery energy storage systems (BESS) into Vietnam???s power grid.



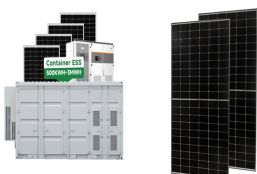
What is the current status of Vietnam's power system? (i)Current status of Vietnam's power system with high RE (solar and wind power) rate, and the capacity of RE projects is greatly fluctuated. (ii) Advantages and disadvantages of operating a power system with a high RE rate. (iii) Demand and necessity of electricity storage in the current and future power system of Vietnam.



Where can I find information about battery energy storage in Vietnam? For more information,please visit and follow us on LinkedIn. Contact: Vietnam's REA and GEAPP hosted a workshop on integrating battery energy storage systems into Vietnam???s power grid,where they also launched a report on battery storage co-authored by the Institute of Energy and GEAPP.



What is EVN's largest power storage project? Bac Ai pump-storage hydropowerwith a capacity of 1200MW is the largest power storage project that EVN makes investment with expectation to be put into operation in 2026.



What is the lagest energy storage system in the world? In the world,at present,beside pump-storage hydropower plant for peak covering,the lagest power storage system reaches only 150 MWand same projects with 500 -600 MW are developing in Australia. III. A number of proposals for energy storage development:

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Does Vietnam have a power shortage? Vietnams total power demand is expected to grow 10% annually during the period 2021-2024, and power shortages are expected to increase in different regions of the country.



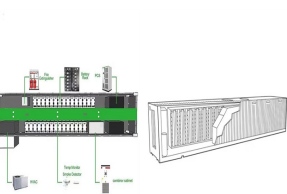
AES is the world leader in lithium-ion-based energy storage, both through our business project and joint venture, Fluence. We pioneered the technology over one decade ago, and today almost half our new projects include a storage ???



???With the development of energy storage technology and sharing economy, the shared energy storage in integrated energy system provides potential benefit to reduce system operation ???



BESS is a vital component in today's energy transition, and the energy storage facility will be integrated into a 50-megawatt solar farm owned by the JV in Khanh Hoa province, located 400 kilometers north of HCMC, ???



First announced at the annual U.S.-Vietnam Energy Security Dialogue, the project plans to use a Honeywell Battery Energy Storage System (BESS) integrated into a 50-megawatt peak solar farm operated by AMI Khanh Hoa. "By ???

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EVN Chairman Thanh continued by saying, "The U.S. is a leading nation in advanced technology development and implementation. U.S. expertise will greatly help Vietnam in developing new energy storage projects and ???



- The Government needs to continue to study further and allow the experimental applying the power storage models on the Vietnamese power system to confirm the efficiency, necessity and role of the energy storage ???

114KWh ESS



Singapore has surpassed its 2025 energy storage deployment target three years early, with the official opening of the biggest battery storage project in Southeast Asia. The opening was hosted by the 200MW/285MWh ???

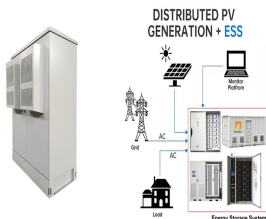


With approximately 180 GW of global installed capacity as of 2023, it is proven to be the most reliable and cost-effective solution for large-scale energy storage. Anticipated to double within two decades, pumped storage is ???



The Seminoe Pumped Storage project, which is expected to provide 10 hours of full-output energy storage capacity, represents a substantial benefit and investment in Wyoming's energy infrastructure. The project is also ???

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- Pumped storage hydropower is a vital technology in the renewable energy transition, providing essential support to integrate variable sources (e.g., wind and solar energy) into the energy grid. With approximately ???



Moving forward, the PDP 8 will be the backbone of Vietnam's energy sector, supported by a robust framework for solar energy initiatives. Feed-in Tariff (FiT): This mechanism promotes renewable energy development by ???



Scaling battery energy storage systems is critical in ensuring a steady supply of renewable energy for the communities that need it most. The BESS Consortium??? launched by GEAPP in 2023 ???is on track to meet its ???



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Tribal Energy Financing: Financing available to federally recognized tribes and qualified tribal energy development organizations for energy development projects, including storage projects. These projects do not have ???

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In the energy sector, over 10 years of cooperation with the U.S. Embassy in Vietnam and the USTDA, EVN has received advanced technical assistance projects such as: Research and development of an information ???