

Vietnam s requirements for new energy and energy storage





Overview

Since the Political Declaration on establishing the Just Energy Transition Partnership (JETP) with Viet Nam was announced in December 2022, Viet Nam has responded timely by setting up the JETP Secretariat and specialized working groups, and developed the Resource Mobilization Plan (JETP RMP), which outlines key policies and a list of priority projects to realize the country's energy transition roadmap. How can BESS help Vietnam achieve energy security & sustainability?

As Vietnam charts its path towards energy security and sustainability, the integration of BESS emerges as a critical enabler of this transition. By embracing BESS, Vietnam has the potential to lead the way in clean energy innovation, fuelling economic growth while safeguarding the planet for future generations.

Why does Vietnam use coal?

' [It also] ensures renewable energy growth while maintaining system safety and stable electricity prices.' According to the Energy Institute's Statistical Review of World Energy, coal dominated Vietnam's energy mix in 2023, generating 129.6 TWh, or 47% of the nation's electricity.

Why should Vietnam invest in a lithium battery?

The declining cost of lithium battery cells, coupled with technological advancements, has made BESS increasingly affordable and accessible, according to Contemporary Amperex Technology, the world's largest battery manufacturer. Vietnam should capitalise on this trend to attract investment, create green jobs, and enhance energy security.

What are Vietnam's transitional provisions?

Transitional provisions aim to align legacy agreements with the new regulatory landscape. Also aligned with Vietnam's Power Development Plan 8 (PDP8), the new law aims to shift the country's energy mix from fossil fuels to renewable sources. It targets over 60% of installed capacity from solar and



wind energy by 2050, up from the current 30%.

How will Vietnam reduce its emissions by 2050?

Clean power, carbon capture and energy efficiency are projected to account for 78% of Vietnam's emissions abatement by 2050. The remaining reductions are expected to come from electrification, bioenergy and hydrogen.

When will industrial emissions peak in Vietnam?

Industrial emissions will peak in 2033, with significant reductions in the late 2030s due to the adoption of CCS technology and hydrogen to decarbonise heavy industries. Clean power, carbon capture and energy efficiency are projected to account for 78% of Vietnam's emissions abatement by 2050.



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[Vietnam: Amendment of Law on Electricity](#)

- The development of self-produced and self-consumed electricity from renewable energy projects is encouraged, with a focus on promoting the use of energy storage systems ...

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[Promoting The Standardization of Energy Storage Systems In Viet Nam](#)

The Institute of Energy (under the Ministry of Industry and Trade) presented Viet Nam's policy directions, highlighting the role of energy storage in demand response and ...

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[Battery Energy Storage Systems in the Commercial and ...](#)

At the same time, the demand for battery energy storage systems (BESSs) is accelerating, driven by Vietnam's abundant renewable energy (RE) potential, particularly in solar and wind power.

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[Fluence opens 35GWh battery manufacturing facility in Vietnam](#)

Fluence and ACE Engineering have opened a new automated battery storage manufacturing facility in Vietnam's Bac Giang Province.

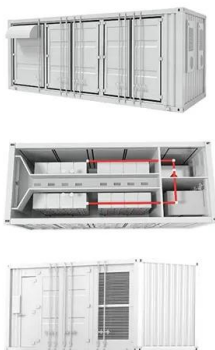
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Energy Revolution in Vietnam: A New Chapter for the Photovoltaic Energy

In summary, Vietnam's photovoltaic energy storage market has shown strong demand growth with the support of policy, technology, economy and other aspects. This has ...

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[Legal Insights on Battery Energy Storage Systems \(BESS\) in Vietnam's](#)

Through a combination of progressive legal frameworks, government incentives, and the growth of innovative energy storage solutions, Vietnam is poised to integrate BESS ...

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[Development of Battery Energy Storage Systems in Vietnam](#)

Vietnam began implementing BESS systems from 2019. However, due to the lack of a complete set of policies and regulations for BESS development, most BESS systems in Vietnam are ...

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[New Energy Storage Technologies Empower Energy ...](#)

KPMG China and the Electric Transportation & Energy Storage Association of the China Electricity Council ('CEC') released the New Energy Storage Technologies Empower Energy ...

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[CNESA Global Energy Storage Market Tour - Vietnam...](#)

From June 24 to 27, 2025, the China Energy Storage Alliance (CNESA) organized a delegation to Vietnam for an in-depth market study and exchange. The delegation focused on the current ...

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[Vietnam's Resolution 70: A Turning Point For Energy Security](#)

In August 2025, the Politburo of Vietnam adopted Resolution 70-NQ/TW on ensuring national energy security through 2030 with a vision to 2045.

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[Decree 58: Rooftop Solar, Offshore Wind, and New Energy ...](#)

On 3 March 2025, the Government of Vietnam issued Decree 58/2025/ND-CP (Decree 58), providing detailed implementation guidance under the Electricity Law 2024 in ...

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[Vietnam enacts new Electricity Law to address renewable energy ...](#)

The law establishes procedures to support the development of emerging technologies like green hydrogen and green ammonia, as well as renewable energy sources ...

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[Embracing battery energy storage systems to power Vietnam's ...](#)

Effective demand management and maintaining the momentum of renewable energy deployment necessitates the integration of innovative technologies such as battery ...

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Vietnam: PDP 8 Revised

This increase primarily results from renewable energy sources and battery energy storage solutions (BESS). Details of the power capacity targets of each power source in the ...

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[Standardizing energy storage systems in Vietnam](#)

In the context of Vietnam promoting energy transition, standardizing battery storage systems (BESS) becomes urgent, in order to realize the commitment to net zero ...

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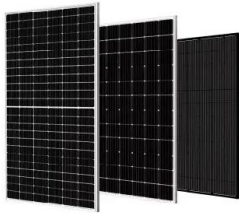
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[New electricity law sets framework to support clean energy ...](#)

The updated law also aims to incentivise private investment in energy storage systems and strengthen the framework for nuclear energy by amending the 2008 Nuclear Power Law.

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[Vietnam unveils new incentives for solar and wind ...](#)

Offshore wind power and green hydrogen projects in Vietnam may soon benefit from unprecedented incentives, including fee exemptions, ...

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[Vietnam's 2050 Net-Zero Target Represents a \\$2.4 Trillion ...](#)

But doing so rests on a rapid scale-up of clean power, electric vehicles and, to a lesser extent, carbon capture and storage technology, according to a new report published ...

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[Insight into Vietnam's Decree 58 on renewable and new energy](#)

The Vietnamese government's newly-issued Decree No. 58/2025/ND-CP on renewable and new energy provides detailed guidance on a couple of the most pressing topics ...

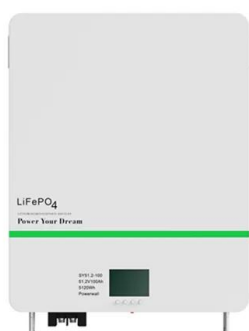
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FOR A SUSTAINABLE FUTURE

Despite being mentioned as the mainstream power source in the future, renewable energy still has weaknesses in terms of stability and ability to ensure the safety of the power transmission ...

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[Vietnam adopted new Electricity Law 2024](#)

In brief On 30 November 2024, the National Assembly of Vietnam has officially adopted the new law on electricity (" New Electricity Law "). The New Electricity Law will take effect from 1 ...

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