



Thailand energy storage project approved

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Does Thailand need a battery energy storage system?

Thailand may lack the Battery Energy Storage Systems (BESS) necessary to navigate supply and demand challenges. The 2024 PDP draft included 10,000 MW of BESS, but this may see the country struggle to fulfil carbon neutrality and Net Zero commitments over the coming decades.

What is Thailand's 2024 Power Development Plan?

Thailand's 2024 power development plan (PDP) aims to increase renewable energy use, highlighting the importance of BESS alongside solar panels and wind turbines. This could create new business opportunities for entrepreneurs if prices decrease or new technologies emerge for stationary batteries.

Why do some solar projects in Thailand have non-firm PPAs?

Many solar projects in Thailand have non-firm PPAs in place due to a lack of storage on site. Arrangements, including BESS, reduce the strain on power grid infrastructure and allow for better planning. On the downside, these do not improve grid stability, nor do they provide power generators with more pathways to increase revenue.

How many Bess projects were approved in Thailand in 2022?

In 2022, the Thai government approved 24 BESS projects, all of which were located alongside solar operations. Their total combined storage capacity was 994 MW. Interestingly, this allowed generators to sign semi-firm power purchase agreements (PPAs) with the Electricity Generating Authority of Thailand (EGAT) with minimum availability guarantees.

ADB and Gulf Renewable Energy Company Limited, a subsidiary of Gulf Energy Development Public Company Limited, have signed an \$820 million loan to provide ...

Thailand's 2024 plan increases renewable energy, highlighting crucial battery storage systems for buildings and power generation.

With Thailand's plan to increase renewable energy share to 30% by 2037, the northern region alone will require an additional 5GWh of energy ...

Mr. Narit Therdsteerasukdi, Secretary General of the Thailand Board of Investment announced today that the country's Commission on ...



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PTT Exploration and Production (PTTEP) has approved Thailand's first carbon capture and storage (CCS) project at the Arthit gas field, marking a significant step in the ...

The BOI said it has approved an investment exceeding \$1 billion by a unit of Shenzhen-based Sunwoda Electronic to produce ...

The objective of the Project is to promote clean energy generation in Thailand through the development of a portfolio of solar photovoltaic (PV) power plants and the ...

With Thailand's plan to increase renewable energy share to 30% by 2037, the northern region alone will require an additional 5GWh of energy storage capacity, presenting tremendous ...

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