

SolarTech Power Solutions

BESS a Thai solar panel manufacturer



Overview

Can Bess create business opportunities in Thailand?

Watcharin Boonyarit, director of solar energy development at the Department of Alternative Energy Development and Efficiency, noted the potential for BESS to create business opportunities as Thailand transitions to renewable power sources. “We should not only import BESS but also consider new investment projects in this battery business.”.

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.

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.

What is Sungrow's PV plus Bess project?

Sungrow will supply the comprehensive PV plus BESS solution, comprising of 49.01 MW PV inverter solutions and 45 MW/136.24 MWh battery energy

storage system. This project is planned to start in April 2022, and will be commercial in December.

What is Bess & why is it important?

Renewable sources like solar and wind power are intermittent, and influenced by weather patterns. BESS mitigates this issue by storing electricity for future use. Thailand's 2024 power development plan (PDP) aims to increase renewable energy use, highlighting the importance of BESS alongside solar panels and wind turbines.

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