

ContainerPower Energy Solutions

Thailand solar energy storage battery



Overview

What is Solar & Storage Live Thailand?

Solar & Storage Live Thailand is an event focused on solar energy generation, solar technology, storage solutions, smart energy, and clean energy innovations. Building on the success of our editions in the Philippines and Vietnam, this event aims to bring big ideas and market disruptions to Thailand's energy transition.

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.

How many mw can a solar generator store in Thailand?

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. Many solar projects in Thailand have non-firm PPAs in place due to a lack of storage on site.

What is a battery energy storage system?

Battery energy storage systems (BESS) are essential for buildings and renewable power generation facilities to ensure uninterrupted electricity supply. Renewable sources like solar and wind power are intermittent, and influenced by weather patterns. BESS mitigates this issue by storing electricity for future use.

Why is battery storage a problem in Thailand?

This is partly due to a lack of clarity on how battery storage fits into existing electricity infrastructure. 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.

What is the main focus of Solar & Storage Thailand?

Solar & Storage Thailand is your one-stop shop to take the pulse of Thailand's solar, energy storage and grid infrastructure market. Networking is at the intersection of all that we do: the Showcase, the Learning, the Fun.

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