

Solar Storage Container Solutions

Bess system for solar factory in Bangkok



Overview

Bangkok Cable is piloting the use of a BESS to store solar energy at its factory in Chachoengsao, paving the way for providing power solutions in three key sectors -- utility grid, industry and commerce, and residences. 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."

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.

Why is energy storage important in Thailand?

Sungrow noted that the Thai government has accepted that energy storage is vital to making renewable energy sources reliable and dispatchable. This led Sungrow and Super Energy, already partnered on a number of renewable energy projects in Southeast Asia, to proceed with the new plant's development.

What does Bess mean for Thailand?

"BESS plays a key role in supporting the continual supply of electricity and will be essential for state efforts to achieve carbon neutrality." Thailand is committed to reducing carbon dioxide emissions, with the government aiming for carbon neutrality by 2050, as announced at the 2021 UN Climate Change Conference in Glasgow.

Where are ESS batteries coming from?

The company has provided ESS solutions into a number of markets, recently winning a 390MW BESS order from US project developer Key Capture Energy. The Southeast Asian energy storage market meanwhile is gradually beginning to see the development of battery projects in other regions including the Philippines Taiwan and Singapore.

Will Bess be more popular than Ev batteries?

BESS may currently be less popular than EV batteries, but demand is expected to rise significantly in the next three to four years as households increasingly rely on renewable energy, reported Bangkok Post. Thailand's 2024 plan increases renewable energy, highlighting crucial battery storage systems for buildings and power generation.

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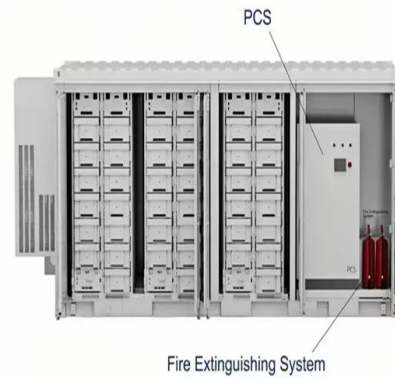


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THAILAND TO HAVE SOUTHEAST ASIA'S BIGGEST BESS

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THAILAND TO HAVE SOUTHEAST ASIA'S BIGGEST BESS

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 ...

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