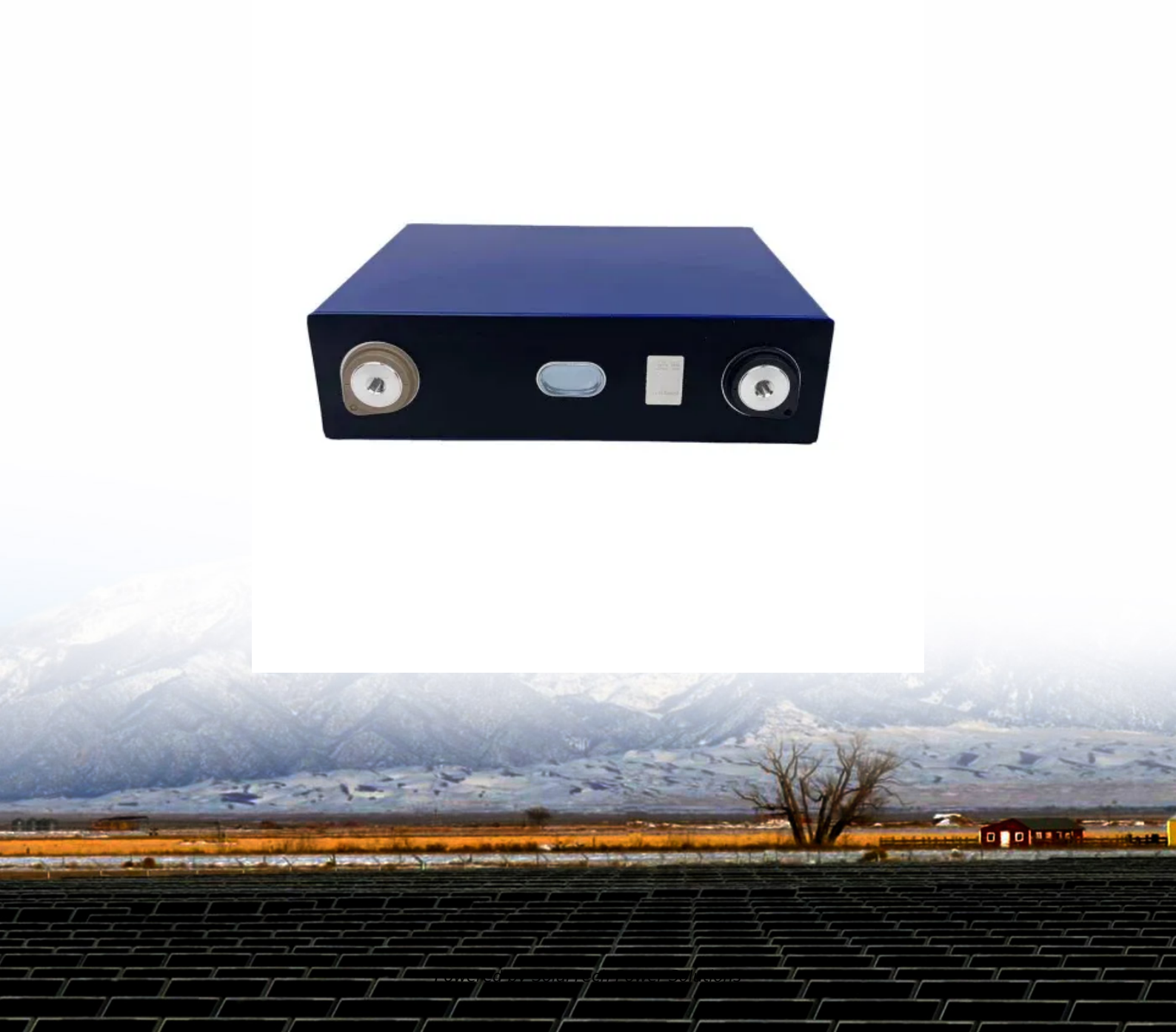


SolarTech Power Solutions

Thailand 720wmh energy storage power generation project



Overview

Will three hydropower dams be developed into 'batteries' in Thailand?

Three more hydropower dams operated by the Electricity Generating Authority of Thailand (Egat) will be developed into giant “batteries” under a 90-billion-baht investment to supply clean power to the country, easing concerns about insufficient electricity generated by solar and wind power.

What is pumped storage hydropower (PSH) project in EGAT?

This project aims to address power supply gaps caused by intermittent solar and wind energy, explained Tawatchai Sumranwanich, Egat’s deputy governor. The initiative involves converting Chulabhorn Dam in Chaiphum, Vajiralongkorn Dam in Kanchanaburi, and Kathun Dam in Nakhon Si Thammarat into pumped storage hydropower (PSH) facilities.

How does PSH technology work at Lamtakong Jolabha Vadhana dam?

The PSH technology, which Egat successfully implemented at Lamtakong Jolabha Vadhana Dam, stores energy by moving water between reservoirs at different elevations. When electricity demand is low, excess energy pumps water to the upper reservoir, which is then released to generate electricity during high-demand periods.

Will EGAT convert three hydropower dams into giant energy storage facilities?

Egat plans to convert three hydropower dams into giant energy storage facilities, supporting Thailand’s renewable energy needs through a 90-billion-baht pumped storage hydropower project.

What is pumped storage hydropower (PSH)?

This effort aims to stabilize the clean energy supply, supplementing solar and wind power, which are subject to weather fluctuations. Egat's feasibility study focuses on implementing pumped storage hydropower (PSH) technology at the dams. Deputy Governor Tawatchai Sumranwanich explains that PSH

involves two reservoirs at different elevations.

Thailand 720wmh energy storage power generation project



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...



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energy efficiency improvements and savings via action plans, CCS (carbon capture and storage) in industry, and in power generation for coal and natural gas (Figure 16.15).



EGAT plans three pumped

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storage power plants in Thailand

Jan 13, 2025 · The Electricity Generating Authority of Thailand (EGAT) has announced plans to develop three pumped storage power plants (PSPPs) at existing dams in Chaiphum, ...

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