
Thailand Deep Energy Solar Storage Power Station

Should Thailand add 32GW of new solar capacity?

Ember calls for Thailand to add 32GW of new capacity to its existing solar deployment targets. Image: Sungrow. Adding 32GW of new solar capacity, plus 15GWh of batteries, to Thailand's power generation deployment targets could cut power generation costs by as much as US\$1.8 billion.

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.

How much gas will Thailand use in 2024?

It notes that US\$153 billion in new investments will be needed to meet the RPDP targets, and in 2024 imported gas accounted for 40% of gas used in Thailand, up from just over 20% in 2015, and this trend is expected to continue in the years to come.

Is Thailand a "cost-optimal pathway to a sustainable economy"?

This is according to the latest report from Ember Climate, 'Thailand's cost-optimal pathway to a sustainable economy', which was published yesterday and calls for the country to expand its renewable energy deployment targets.

The Electricity Generating Authority of Thailand (Egat) plans to convert three hydropower dams into massive energy storage systems ...

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-based energy and infrastructure group Gulf Energy Development Public Company Limited has raised \$820 million as a loan from the Asian Development Bank (ADB) ...

LONGi's off-grid photovoltaic power station on Koh Lipe Island in southern Thailand has begun operation, marking the island's shift to a "solar+storage" system, replacing ...

Solar Energy in Thailand has jumped from a policy aspiration to an active economic strategy. Over the past decade, the kingdom has ...

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 ...

Bangkok, September 15, 2025 - Thailand is accelerating its energy transition with ambitious policies and economic incentives, positioning itself as a key player in Southeast Asia's ...

The Electricity Generating Authority of Thailand (Egat) plans to convert three hydropower dams into massive energy storage systems with a 90-billion-baht investment. This ...

The IEA Photovoltaic Power Systems Programme (IEA PVPS) is one of the TCP's within the IEA and was established in 1993. The mission of the programme is to "enhance the ...

The Asian Development Bank (ADB) and IPP Gulf Energy have signed a US\$820m loan agreement for a solar and storage portfolio ...

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