

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 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.

How many EV batteries will Svolt produce in Thailand?

According to the portal CN EV Post, two production lines are planned - one for the production of battery modules and one for battery pack assembly with an annual capacity of 60,000 units. SVOLT will supply the batteries to existing customers such as Great Wall Motor and Hozon, but is also negotiating with potential new customers in Thailand.

Are battery manufacturers eligible for tax incentives in Thailand?

Battery manufacturers will receive significant tax incentives in Thailand. They are eligible for a 90% reduction in import duty for materials used in production and a full import duty exemption for research materials. Additionally, those with investment privileges will receive subsidies for investment, research, and personnel training.

Svolt Energy's first battery pack produced in Thailand is expected to be available in volume in the first quarter of 2024, and will first be fitted to the Thai version of the Good Cat model of Great Wall Motor's new energy vehicle (NEV) brand Ora.

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On December 20, 2023, Svolt Energy said it saw the first battery pack come off the line at its Thailand plant. The battery pack is Svolt Energy's LCTP battery pack with a capacity of 60 kWh, providing a CLTC range of up to 500 km. The pack is based on lithium iron phosphate chemistry and utilizes Svolt Energy's L600 series cells.

Hitachi ABB Power Grids Ltd. has been selected by Impact Solar Limited, a subsidiary of Impact Solar Group, to deploy the e-mesh™ PowerStore™ battery energy storage solution (BESS) and control system as part of Thailand's largest private microgrid at Saha Industrial Park in Sriracha.

The Chinese battery cell manufacturer and VW partner Gotion High-Tech has started production at its battery plant in Thailand. The factory is operated by a joint venture with Nuovo Plus, a subsidiary of the Thai energy and oil company PTT Group.

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SVOLT, the battery cell manufacturer that emerged from the Chinese carmaker Great Wall, has begun setting up a plant in Thailand for the assembly of battery modules and packs for electric and hybrid cars.

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Thailand's 2024 power development plan (PDP) aims to increase renewable energy use, highlighting the importance of BESS alongside solar panels and wind turbines. This could create new business opportunities for entrepreneurs if prices decrease or new technologies emerge for stationary batteries.

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