



## MODERNIZATION SOLAR

# Thailand electric new solar container battery





## Overview

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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.

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.

Will Thailand have a net zero power grid in 2050?

BNEF's Net Zero Scenario shows that solar and wind can supply 60% of Thailand's electricity in 2050 while strengthening the country's energy security and eliminating emissions. For a copy of the full report, Thailand: Turning Point for a Net-Zero Power Grid, please use the following links: English version and Thai version.



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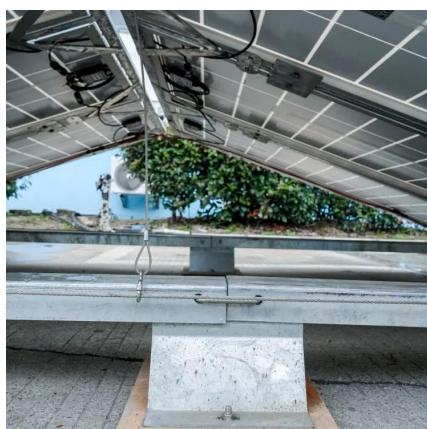
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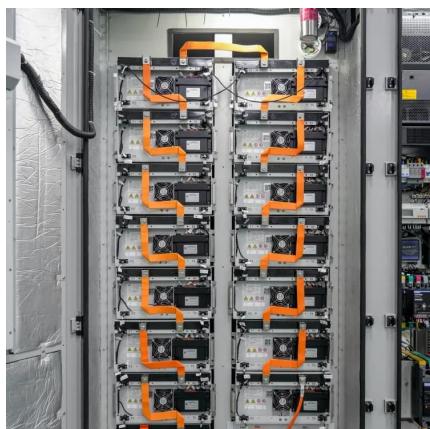
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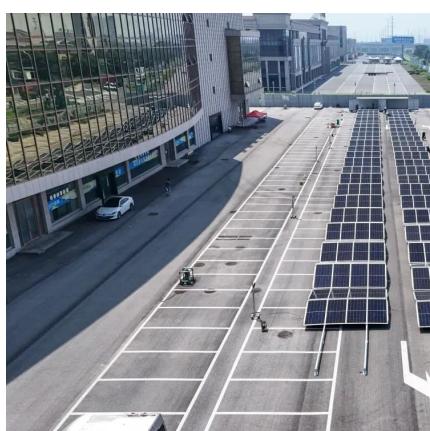
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## Thailand Needs More Battery Energy Storage Systems

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