

# Thailand's distributed energy storage policy

Can Thailand use energy storage?

Although Thailand is a regional leader in renewable energy, its use of energy storage is nascent. EGAT undertook some studies on the potential for energy storage and is piloting three battery energy storage installations. One is located alongside a solar project in Mae Hong Son Province to improve power supply stability.

What is Thailand's energy policy?

Thailand's energy policy aims to promote clean energy as a means to enhance the country's competitiveness and attract foreign investment. The government is preparing to become a Digital Hub for ASEAN, with many investors showing interest in projects such as Data Centers and Cloud Services.

Why is power system flexibility important in Thailand?

With the growing share of renewable energy and emerging technologies, establishing and maintaining adequate flexibility is an important part of Thailand's power system development and modernisation, and the country's clean energy transition. Power system flexibility is crucial for ensuring security of supply.

Does Thailand offer private sector participation in renewable electricity generation?

The Government of Thailand has opened access for private sector participation in the renewable electricity generation business through its programs for small and very small power producers.

What is Thailand's energy policy for 2025?

In addition, Thailand's energy policy for 2025 includes efforts to secure new domestic energy sources. This will involve opening up exploration and production rights for onshore petroleum fields in the 25th round, expected to yield approximately 5.76 million barrels of crude oil and 20.7 trillion cubic feet of natural gas.

Does Thailand have an enhanced single-buyer system?

Thailand has an enhanced single-buyer system, which means that the vertically integrated utility buys power from both its own generation assets and from independent power producers. This study is conducted in the context of the enhanced single-buyer system, and identifies contractual flexibility within this scope.

Thailand has adopted a single-buyer model in the power sector, under which the state-owned utility allows limited private sector participation in electricity generation while maintaining ...

? Ms. Sarah Tse will be on behalf of ASEAN Smart Energy & Energy Storage Expo-ASEE 2026 international team attending Smart Energy Week 2025 [September] in Tokyo this week.



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