
Thailand's new energy storage ratio

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.

Is energy storage a new business model in Thailand?

Energy storage is in its infancy in Thailand, and new business models are already emerging. As the regulatory framework adapts to accommodate new players in the market, we expect to see greater penetration in this area. Notes Energy Policy and Planning Office, Ministry of Energy, electricity statistics

What will Thailand's future look like if it adds renewables capacity?

As Thailand plans to add significant amount of renewables capacity in the next 13 years, the government would consider more flexible gas power contract. As a result, thermal power plants will likely see their operational hours cut further. This will lead to costlier coal and gas power.

Why is Thailand relying on more than just solar?

To close this gap, Thailand is relying on more than just solar. The government's Alternative Energy Development Plan (AEDP) promotes energy diversification, including storage systems and emerging technologies like green hydrogen. These strategies are designed to not only boost generation capacity but also ensure energy stability and resilience.

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Adding 32GW of new solar to Thailand's power generation deployment targets could cut power generation costs by as much as US\$1.8 billion.

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There are currently few grid-scale energy storage projects in Thailand, although the situation is likely to change. In furtherance of its commitments under the Paris Agreement, ...

Can Thailand smart energy storage solutions bridge the gap between renewable ambitions and grid reliability? With 35% renewable energy targeted by 2037, Thailand's power grid faces ...

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