



# Energy storage applications thailand

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Thailand's emerging energy storage sector

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Thailand Energy Storage Technology Association (TESTA) 114 Thailand ...

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Electric vehicles (EVs) are widely known for their battery power but batteries are also crucial for buildings, factories, and power plants using renewable energy. They provide lighting, support daily operations, and serve as backup electricity sources.

Battery energy storage systems (BESS) are essential for buildings and renewable power generation facilities to ensure uninterrupted electricity supply. Renewable sources like solar and wind power are intermittent, and influenced by weather patterns. BESS mitigates this issue by storing electricity for future use.

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.

Somchai Homklinkaew, from the Metropolitan Electricity Authority, emphasised the importance of BESS for maintaining power stability as the country increases its reliance on renewable energy.

BESS plays a key role in supporting the continual supply of electricity and will be essential for state efforts to achieve carbon neutrality.

Thailand is committed to reducing carbon dioxide emissions, with the government aiming for carbon neutrality by 2050, as announced at the 2021 UN Climate Change Conference in Glasgow.

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