

Energy storage regulations bangkok

Thailand is currently carrying out pilot projects for the development of an advanced grid system to better manage the grid volatility that accompanies the introduction of renewable energy. The private sector is also pursuing opportunities to develop projects with battery energy storage system (BESS) technologies.

Regulations in Thailand already permit behind-the-grid technologies such as rooftop solar and storage to be deployed, subject to the Energy Regulatory Commission (ERC)'s licensing regime. However, many small to medium-sized buildings are not attractive behind-the-meter developers, since excess power cannot be sold to the grid or to third ...

PPAs for ground-mounted solar + battery storage will be on a "Partial-Firm" basis, and project must be capable of generating the following amounts of electricity: 9.00 am to 4.00 pm: 100% of the MW capacity specified in the PPA;

There are no regulations or requirements concerning carbon capture and storage technology currently. Energy reform is being carried out under PDP 2018 (2018-2037), which emphasizes the use of renewable energy.

The Energy Regulatory Commission of Thailand has passed a regulation to set up a FIT scheme for renewable energy, including utility-scale solar, battery energy storage, wind, and biogas.

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Power purchase agreements for up to 5,203 MW will be allocated across four types of renewable energy projects:

The ERC has the ability to adjust power purchase targets, however the published targets are based on the scheduled commercial operation date ("SCOD") to be specified in the power purchase agreement ("PPA") for the purchase of electricity generated by the project.

A Very Small Power Producer ("VSPP") holds a PPA for the sale of electricity with a capacity for sale of electricity with a capacity of 10 MW or less and a Small Power Producer ("SPP") holds a PPA for the sale of electricity with a capacity exceeding 10 MW but not more than 90 MW.

Ground-mounted solar + battery storage projects are available only to SPPs, but all three other types of projects are available to both VSPPs and SPPs.

The following FiTs are offered?, with an additional FiTPremium of THB 0.50 per kWhr for projects located in the southern border provinces (Yala, Pattani, Narathiwat and the Chana, Thepha, Saba Yoi and Na Thawi

districts in Songkhla).

PPAs for all projects other than ground-mounted solar + battery storage will be on a "Non-Firm" basis, meaning that the applicant will be paid for whatever amount of electricity is generated up to the MW capacity specified in the PPA and with no penalty if the amount of electricity generated falls below that capacity.

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