



Off-grid systems bangkok

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Project Name: 5.5KW solar off-grid system for inverse control integrated machine in Thailand

Project Type: Residential solar power supply system project

Installation Site: Bangkok, Thailand

Power and Specific Configuration: 5.5KW solar off-grid system

Description: The project is located in Bangkok, Thailand, and provides electricity for a small supermarket. The system adopts the PLUS series hybrid solar power inverter independently developed by our company. Solar power can be directly used by the load, which reduces the demand for batteries and reduces the cost of the system. Customers are very satisfied with the system currently in normal operation. Contact us for the Anern solar inverter price.

The site is on the edge of the family's village was a field of teak trees. It is 1 Rai (1,600 m²) and cost ฿650,000. The price is a bit high, but it is perfect location for us, as it faces onto a road and has an electricity pole 10m away. Cutting the Chanote (land title) to give us 1 Rai cost ฿20,000 + ฿10,000 for an express service. I have a 30 year lease on the land and my name is on the title papers.

The Land where we planned to build was raised up by 1.5m with heavy clay soil to avoid flooding and cost ฿380 per truck with 150 trucks cost ฿57,000. The soil was left for a year to sit through a rainy season to compact.

No power on site, so a trip to PEA (Provincial Electricity Authority) is required to set up a temporary meter.

At PEA identifying the closest electrical post to our land, which in our case is about 5m away. Each post has a unique number on the post and in the PEA system & quite impressed. ฿6,000 deposit paid for the temporary meter.

Our builder Khun Own, had to climb the post to make the connection, all PEA had to do was fit the temporary meter.

Fitting geothermal. 30minutes with the digger gave me a 3m deep trench which cost me ฿750. 100m of pipe cost ฿3,600.

Below 2m the ground is much cooler than at the surface. Air will travel for 100m in this cool soil before it is introduced into the Energy Recovery Ventilator in the house. My Thai neighbors don't know what to



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make of it or the fact that most of my windows are sealed shut.

Contact us for free full report

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