Average off grid solar storage price per 100MW in Indonesia

How much energy does an off-grid Solar System use in Indonesia?
In Indonesia,this translates to roughly 4.2 kWhof energy per kW installed. In an off-grid solar system,storage batteries are required to allow you to access solar energy for an entire day. You can also add on a smart control system to allow you to monitor and control your electricity consumption and prolong your battery life.

Why is solar installation cost more expensive in Indonesia?
The local solar manufacturing industry has not been able to develop yet and thus the production cost of a local solar module is comparably more expensive to global market (further discussion see section 'Policy Discussion: What If?') Installation cost in Indonesia is generally cheaper due to low labour cost.

How much does solar PV cost in Indonesia?
Similar to wind,current installed solar PV capacity in Indonesia is only 90 MW,with the capital cost still ranges from 700 to 1200 USD/kW,higher than capital costs in Europe,China and India which mostly below 1000 USD/kW (IRENA,2019). The cost in leading markets even reaches below 500 USD/kW in 2019 (Vartiainen,et. al,2019).

What is the local content of solar energy projects in Indonesia?
According to MEMR Decree No 5/2017,the local content for energy projects in Indonesia was a minimum of 40%in 2017 and will be gradually increased up to 60% in 2019. Due to the relatively small scale of solar manufacturing in Indonesia,it is unlikely that local production can be competitive against international prices.

Can you use an off-grid solar system in Bali?
Using an off-grid solar system is a little more complex than that. Remember,solar panels need direct sunlight to produce energy! In Bali,Lombok,and many parts of Indonesia,this translates to an average of 4.2 kWh (kilowatt-hour) per kW of solar installed. When there is cloud cover or rain,your power output will drop.

How much energy does a solar system produce in Indonesia?
Solar panels only produce energy when there is direct sunlight. In Indonesia,this translates to roughly 4.2 kWh of energy per kW installed. In an off-grid solar system,storage batteries are required to allow you to access solar energy for an entire day.

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