

Is Thailand a microgrid?

In addition, a case of Thailand microgrids is likely to be a consequence of the feasible microgrid policies, proposing the microgrid as an emerging very small electricity grid. In contrast to the study of Ali et al. (2017), this seems to be a situation of accelerating microgrid implementation.

What drives a microgrid in Thailand?

The majority of Thailand microgrids are driven by public policy and legal flexibility. The key drivers of Thailand microgrid policies are 1) electricity access, 2) wealth creation and distribution, 3) environmental protection, and 4) technology development.

Does Thailand have a microgrid distributed generation unit?

In the technology domain of the microgrid distributed generation unit, Thailand has, to some extent, the technological capabilities of preparing biomass resources and manufacturing PV panels. However, many PV panels have been imported from different countries, e.g., Germany, Japan, and China.

What are the technical challenges facing the development of microgrids in Thailand?

The development of microgrids in Thailand has also faced several technical challenges (e.g., reconnection of the grid-connected microgrid to the main utility grid after a fault, and development of a robust control and protection system) as mentioned in Choudhury (2020).

How many key drivers emerge in a Thailand microgrid?

An individual Thailand microgrid reveals some key drivers, rather than all key drivers. Overall, four key drivers emerge after taking all microgrids into account. Table 2 shows findings related to the key drivers of each Thailand microgrid case. TABLE 2. Findings related to key drivers of Thailand microgrids.

Is Thailand a good place to research microgrid biomass technologies?

In Thailand, there is great potential to research microgrid biomass technologies. In addition to direct technology-related interests, the evaluation of new microgrid initiatives and how the appraisal of microgrids impacts various stakeholders, society, and the environment are valuable to research.

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