

ASEAN solar Energy Storage Investment





Overview

What is the potential for solar PV in ASEAN?

The potential for solar PV at sites with an LCOE of less than US\$150/MWh has been estimated to exceed 30 TW (Lee et al., 2019). This is about 130 times ASEAN's total installed generation capacity (234 GW) as of 2017 (ASEAN Centre for Energy, 2020).

How much energy is being invested in ASEAN in 2022?

A new report released on 20 May found that the number of international investment projects for renewable energy in ASEAN has increased by an average of about 15 per cent per year since 2020, with investments reaching US\$43 billion (S\$55.8 billion) in 2022.

Should the ASEAN Power Grid be sold before investors crowd-in?

Ms Dinita Setyawati, a senior energy analyst at energy think-tank Ember who also spoke at the webinar, said that while the ASEAN power grid has attracted "a lot of interest" from development partners who are interested in selling their technologies, the project has to first materialise before investors crowd in.

Should Southeast Asia have a solar grid?

An ASEAN grid will allow the Republic, which lacks access to most renewable energy options other than solar, to tap sources such as wind energy and hydropower in other countries. Such a grid also allows countries in Southeast Asia, where renewable resources are unevenly distributed, to trade electricity freely to meet rising demand.



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