

Off-grid cost of Southeast Asian photovoltaic containerized systems





Overview

South East Asian countries are blessed with abundant solar energy potential. Yet, the solar photovoltaic potential remains underutilized. There are certain roadblocks in the progress of solar PV deployment.

Are solar PV policies underutilized in South East Asian countries?

South East Asian countries are blessed with abundant solar energy potential. Yet, the solar photovoltaic potential remains underutilized. There are certain roadblocks in the progress of solar PV deployment in ASEAN. This paper aims to investigate the solar PV policies in the ASEAN region over the past decade.

Is solar PV growing in South East Asia?

Over the past decade, remarkable growth in solar PV installations has been observed in the South East Asia region. Based on the IRENA report, the cumulative installed solar capacity is 22.85 GW. However, this growth is uneven among ASEAN member countries.

Are there support mechanisms for solar PV development in ASEAN countries?

ASEAN countries are expected to have substantial growth in solar PV deployment. The PV market in the ASEAN region has not evolved into a solid, self-sustaining PV market. Hence there is a necessity for policies and support mechanisms in ASEAN countries. Fig. 1. Different types of support mechanisms for solar PV development. 3.1.

Do utility-scale grid-tied solar PV projects have data?

Data related to utility-scale grid-tied solar PV projects were not publicly available. Most previous research is based on off-grid solar PV systems. Extracting data from off-grid systems would not be prudent since these are smaller capacity systems and the cost of technology reduces with economies of scale.



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