

A-Core Container

ASEAN wind solar and storage integration



Overview

Can ASEAN accelerate solar and wind integration?

The report says most of the ten countries belonging to the Association of Southeast Asian Nations (ASEAN) can accelerate solar and wind integration by learning from two decades of global experience and without major system overhauls.

Could solar power transform ASEAN?

Today, eight of the ten ASEAN member states have set net zero or carbon neutrality targets. Solar PV and wind, now among the most cost-competitive electricity sources in the region, could be central to this transformation.

Will Southeast Asian countries start integrating solar and wind energy?

Most Southeast Asian countries can begin to integrate higher shares of solar and wind energy this decade without requiring major system overhauls, according to the latest report from the International Energy Agency (IEA).

Why are solar and wind energy costs so high in Southeast Asia?

While renewable technology costs in Southeast Asia remain higher than international benchmarks due to smaller markets and higher financing costs, solar and wind are becoming increasingly cost-competitive with new coal and gas across the region (particularly in the absence of fuel price subsidies).

Can distributed energy resources contribute to system flexibility in ASEAN?

The IEA developed an in-depth analysis of efficient grid-interactive buildings in ASEAN, including how distributed energy resources in the region can contribute to system flexibility. Not all flexible resources can provide the same system services.

Is Southeast Asia ready for solar & wind?

IEA's report says Southeast Asia is well positioned to meet this surging demand using variable renewable energy (VRE) sources of solar and wind. It adds that there is 20 TW of untapped solar and wind potential across the region, around 55 times the region's current total generation capacity.

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