

ASEAN New Energy Storage Electricity Price





Overview

What is the lowest cost of electricity in ASEAN?

Across ASEAN, solar and wind energy now offer some of the lowest Levelised Costs of Electricity (LCOE). For solar PV, LCOEs range from US\$64 to US\$246/MWh, with Vietnam achieving some of the lowest costs in the region. Wind power likewise presents significant potential.

How much of ASEAN's electricity comes from coal?

Five ASEAN countries rely on coal for more than 40% of their power production. All countries combined, 44% of the electricity produced comes from coal in the region, with electricity-related CO₂ emissions rising 60% since 2015. Figure 1: CO₂ intensity of electricity generation - 2023 Source: Enerdata - Global Energy & CO₂ data, Power Plant Tracker.

Can solar power help Southeast Asia's power sector?

The declining cost of renewable energy is unlocking significant potential for Southeast Asia's power sector. Vietnam, for instance, saw its solar capacity jump from 4.9 GW in 2019 to 17 GW in 2023. Across ASEAN, solar and wind energy now offer some of the lowest Levelised Costs of Electricity (LCOE).

What is the ASEAN Power Grid Initiative?

The ASEAN Power Grid initiative (APG) is a massive plan envisioned to foster regional energy trade. It aims to enhance energy security through cross-border power grid connections, although challenges persist due to differing readiness levels among states and limited market liberalisation.



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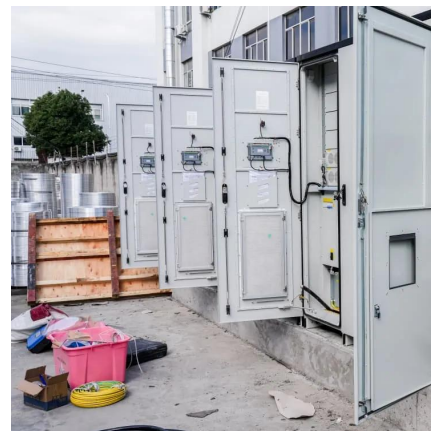


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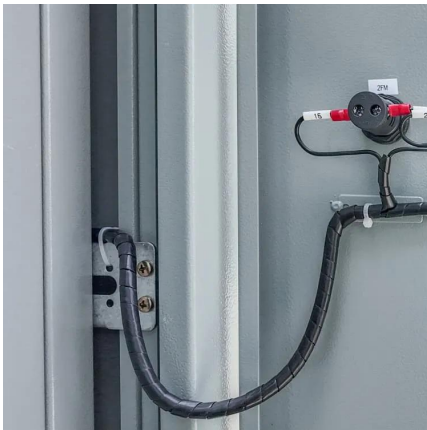
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