

# ASEAN supports new energy storage





## Overview

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It is investing in subsea transmission, floating solar, and advanced storage, while advocating for an open, competitive ASEAN electricity market to encourage private investment and accelerate renewables deployment. How can the ASEAN Power Grid facilitate investments in renewables?

To facilitate investments in renewables in ASEAN, it is critical to overcoming the barriers in renewable energy legislation, energy governance, and business environment. 28 Cooperation through the ASEAN Power Grid brings economic benefits to the region as a whole, and thus improves the affordability for energy transition.

How can ASEAN improve energy security?

Energy security remains a concern due to geopolitical tensions, market volatility, and the low-carbon transition. To strengthen energy resilience, ASEAN must prioritise optimising and decarbonising its energy sector, ensuring access, affordability, efficiency, and security, while contributing to economic growth and global climate goals.

What will ASEAN's Energy Future look like?

ASEAN's power generation is expected to make a substantial shift towards renewable energy, particularly solar and wind, with the RAS and CNS leading this transition. Energy storage technologies, including Battery Energy Storage Systems, will play a critical role in stabilising the grid and supporting the ASEAN Power Grid.

Does ASEAN have technology options to decarbonize power sector?

Faced with energy transition objectives, the ten countries of the Association of Southeast Asian Nations (ASEAN) have technology options to decarbonize power sector. This study investigates the hypothetical decarbonization pathways for ASEAN's power sector.

What are the key developments in ASEAN?



Key developments include the introduction of hydrogen and sustainable aviation fuel (SAF) by 2023 and 2025, respectively. Public opinion in ASEAN strongly supports the transition to renewable energy, with a majority favouring the cessation of new coal plant construction and backing the phase-out of coal by 2030.

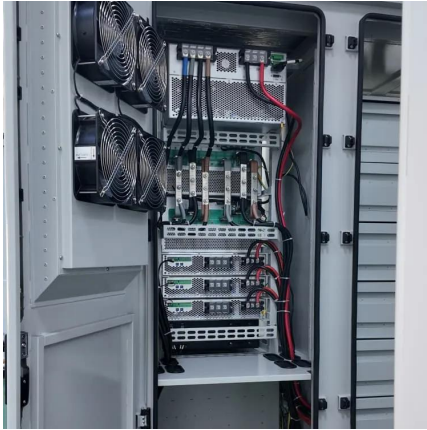
What is the ASEAN Energy Outlook series?

The ASEAN Energy Outlook series has been instrumental since its inception in 2006, guiding energy policy and planning across the region. The AEO8 provides critical insights into energy trends and projections, covering key areas such as energy access, affordability, security, and environmental sustainability.



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About the ASEAN Smart Energy & Energy Storage Expo 2026 March 25-27, 2026 IMPACT Exhibition Center, Bangkok, Thailand As ASEAN's leading event for solar, storage, ...

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## Malaysia and Japan plan new centre to support ASEAN clean energy ...

Malaysia and Japan have put forward a proposal to create a new collaboration hub in Malaysia





that would focus on technology, sustainability, and energy integration in ASEAN ...

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## The 8th ASEAN Energy Outlook

The 8th ASEAN Energy Outlook (AE07), prepared by the ASEAN Centre for Energy (ACE) with support from the Ministry of Economy, Trade ...

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## [How can ASEAN boost energy security in the region?](#)

The ASEAN needs modern interconnected grids that will support renewable energy generation in ensuring power security, according to Ember.

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## **Cape EMS, China's Sermatec in pact to supply battery storage across Asean**

KUALA LUMPUR: Cape EMS Bhd has signed a strategic partnership agreement with Shanghai Sermatec Energy Technology Co Ltd to localise battery energy storage ...

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## ASEAN Resilient Grid Capacity Building Programme Launches ...

While ASEAN member states are implementing energy storage technologies, policy gaps are slowing wider adoption and hindering the full renewable energy utilisation. ...

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## ASEAN Low-carbon Energy Technologies Roadmap (ALERT) - Phase I: ASEAN...

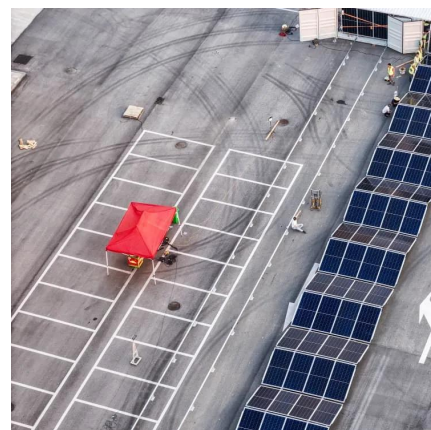
To support this momentum, the ASEAN Centre for Energy (ACE), with ERIA's support, launched the ASEAN Low-Carbon Energy Technologies Roadmap (ALERT) Phase I. ...

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## Bridging Borders for a Cleaner Future: ASEAN's Next Leap in ...

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## Energy Storage Archives

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### [ASEAN Centre for Energy Hosted the Capacity Building on ...](#)

The ASEAN Centre for Energy (ACE) and the Australian National University (ANU), with support from the Australian Government through the Partnerships for Infrastructure (P4I) ...

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### **Wired for profit: Grid is the key to unlock ASEAN energy investment**

Shaping ASEAN's clean, secure energy future with grids Modern, flexible grids are essential to unlock ASEAN's solar and wind potential, create new jobs and new market ...

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## Accelerating ASEAN's energy transition in the power sector ...

Faced with energy transition objectives, the ten countries of the Association of Southeast Asian Nations (ASEAN) have technology options to decarbonize power sector. This ...

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