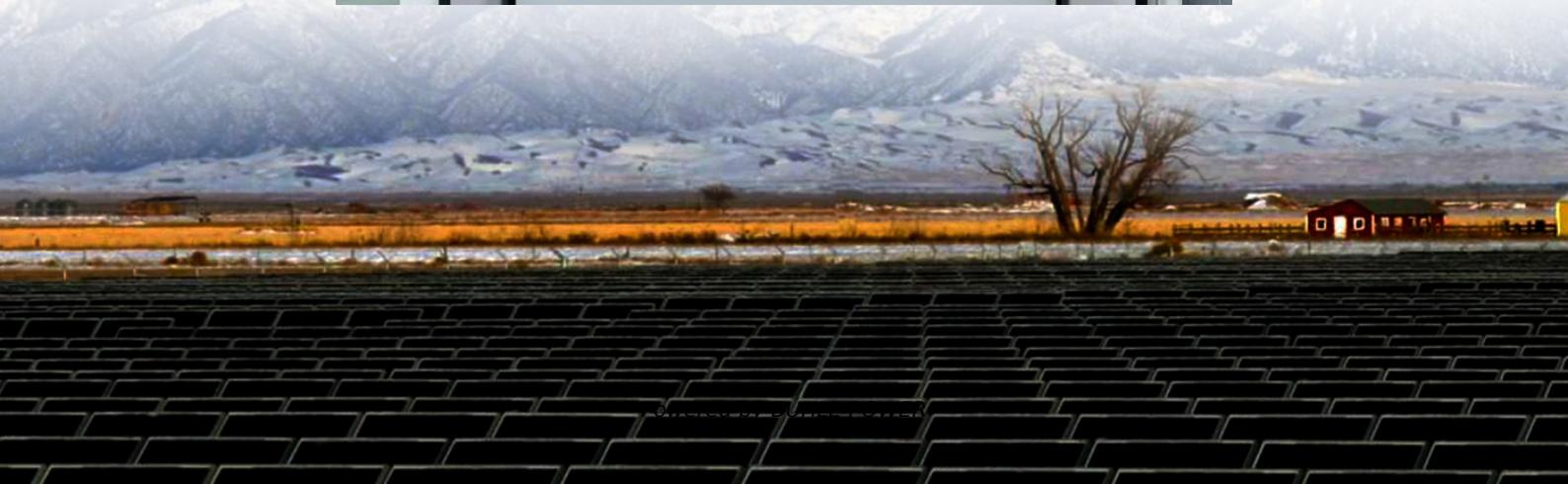




BUHLE POWER

# How much does an ASEAN energy storage power supply cost





## Overview

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The Philippines stands as the dominant force in the ASEAN energy storage market, commanding approximately 30% of the total market share in 2024. The country's leadership position is driven by its prog.

Why does ASEAN need energy storage systems?

**Growing Renewable Energy Deployment:** The ASEAN region has witnessed a significant increase in renewable energy installations, including solar and wind power. This growth necessitates the implementation of energy storage systems to ensure a reliable and stable energy supply.

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 CO<sub>2</sub> emissions rising 60% since 2015. Figure 1: CO<sub>2</sub> intensity of electricity generation - 2023 Source: Enerdata - Global Energy & CO<sub>2</sub> data, Power Plant Tracker.

Why is the ASEAN region embracing energy storage technologies?

The ASEAN region, consisting of ten Southeast Asian countries, has been actively embracing energy storage technologies to address its growing energy demand and to transition towards a cleaner and more resilient energy system. Meaning



## How much does an ASEAN energy storage power supply cost



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...



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## ASEAN Energy Storage Market Analysis

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## **Statistics**

1 day ago · ASEAN Centre for Energy (ACE) is an intergovernmental organisation within ASEAN structure that represents the 10 ASEAN Member States' (AMS) interests in the energy sector.



## Overview and State of Play on Energy Storage in Asia

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