

## PDEOZE PowerContainer

# ASEAN high-performance energy storage battery



## Overview

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Lithium-Ion as the Anchor Technology: For ASEAN's cost-sensitive and rapidly growing markets, lithium-ion remains the most competitive, scalable, and bankable energy storage solution for the foreseeable future, backed by a proven track record and global cost reductions. Does ASEAN need energy storage?

The ASEAN bloc has set the targets of 23% renewable energy in its Total Primary Energy Supply (TPES) and 35% renewable energy in ASEAN installed power capacity by 2025. This means that energy storage is required. Additionally, without BESS acceptance on a larger level, the needed funds won't materialise, and fewer BESS will be built.

Does Singapore have a battery energy storage system?

Of the 11 ASEAN members, Singapore is taking the lead in the battery energy storage systems (BESS) space. Earlier this year, the city-state launched the region's largest battery energy storage system (BESS).

What is a battery energy storage system?

A battery energy storage system is a power station that uses batteries to store excess energy. A BESS is a potential unsung hero in the world's efforts to pivot to more renewable energy sources in the power sector.

Why is ASEAN falling behind in technology implementation?

However, the Association of Southeast Asian Nations (ASEAN) bloc is falling behind in technology implementation due to a lack of awareness and policy initiatives. Of the 11 ASEAN members, Singapore is taking the lead in the battery energy storage systems (BESS) space.

What is a battery energy storage system (Bess) in Singapore?

Singapore's new BESS will help mitigate the solar intermittency caused by changing weather conditions in the region's tropical climate. Because wind

and solar resources aren't constantly available and predictable, they're referred to as intermittent energy resources. What Is a Battery Energy Storage System (BESS)?

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How can ASEAN achieve a renewables-based transformation?

The renewables-based transformation would need a massive investment in electricity infrastructure to maintain the balance of supply and demand. ASEAN has adequate policies to positively influence the attractiveness of energy storage through renewable energy investment, both on-grid and off-grid.

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