

## **PDEOZE PowerContainer**

# **Brunei energy storage participates in power peak regulation**



## Overview

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Does Brunei Darussalam have a low-carbon energy transition?

In the Energy Outlook and Energy-Saving Potential in East Asia 2023, Brunei Darussalam includes carbon capture and storage (CCS) technologies under its low-carbon energy transition-carbon neutral (LCET-CN) scenario in addition to an increased share of solar in the power mix by 2050.

Can Brunei achieve 10% share of renewables in national energy mix?

In 2014, Brunei adopted a strategic plan to achieve 10% share of renewables in the national energy mix by 2035. The plan provides the outline to introduce renewable energy policy and regulatory frameworks and to scale-up market deployment of solar PV.

Why is energy security important in Brunei?

1.2. Energy Security Brunei relies heavily on fossil fuels for its domestic power generation (natural gas and diesel) and road transport (gasoline and diesel). Although domestic supplies certainly remained secure, the vulnerability of these supplies would entail disruptions that could cause power outages and insufficient fuel supply.

Does Brunei have a nascent REC market?

Nascent Market and Regulatory Framework: Brunei's REC market is in its infancy, lacking a comprehensive regulatory framework and clear guidelines. This creates uncertainty and potential risks for investors and market participants, hindering market growth and investment in renewable energy projects.

How much energy is consumed in Brunei Darussalam?

Final Energy Consumption (historical trend: 2019, 2030, 2040, 2050) Under the LCET-CN scenario, the total final energy consumption (TFEC) for Brunei Darussalam is expected to reach 3 million tonnes of oil equivalent (Mtoe) in

2050, increasing at an average rate of 1.7% per year over 2019–2050 (Figure 2.1).

What does Rec do in Brunei?

The division also actively participates in the development of the REC market in Brunei by defining the role of RECs in achieving the national renewable targets, and identifying the legal and regulatory framework for the REC market.

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