

# Brunei Phase Change Energy Storage Products





## 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.

Why is Brunei focusing on developing downstream energy industries?

The country is focusing on developing downstream energy industries by maximising economic spin-of potential from upstream production and assets. Brunei Darussalam aims to reduce its energy intensity by 45% in 2035 from the baseline year of 2005, in line with its regional commitment to the Asia-Pacific Economic Cooperation.

Which materials store energy based on a phase change?

Materials with phase changes effectively store energy. Solar energy is used for air-conditioning and cooking, among other things. Latent energy storage is dependent on the storage medium's phase transition. Acetate of metal or nonmetal, melting point 150-500°C, is used as a storage medium.

How can industrial processes help achieve Wawasan Brunei 2035?

Industrial processes can reduce GHG emissions, lessen the impacts of climate change, and help achieve the net-zero emission target. To achieve the objectives of Wawasan Brunei 2035, all economic sectors, including energy, must significantly boost their activity.



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Why This Energy Storage Project Matters Now  
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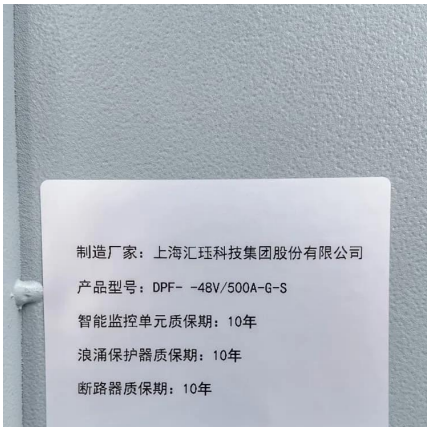
### [BRUNEI'S ENERGY TRANSITION](#)

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