



SolarTech Power Solutions

Brunei Electricity Company Phase Change Energy Storage



Overview

How can Brunei improve energy infrastructure & renewables?

Brunei's efforts to enhance energy infrastructure and renewables are in line with the ASEAN Power Grid (APG) initiative that aims to integrate cross-border power. Other initiatives like smart metering and efficiency labeling could reduce business costs and attract investment in technology and digital infrastructure.

Will Brunei bring new power plants online by 2027 – 2028?

To address this, the government plans to bring new power plants online by 2027–2028 using Combined Cycle Gas Turbine (CCGT) technology, pushing efficiency past 35%. Alongside infrastructure upgrades, Brunei's climate policy mandates a minimum efficiency of 48% for new plants and aims for 30% renewable energy, primarily solar, by 2035.

Will Brunei boost its power generation efficiency by 2035?

BANDAR SERI BEGAWAN – Brunei is working to boost its power generation efficiency from the current rate of 28% to 50% by 2035, the Minister at the Prime Minister's Office told the Legislative Council on Tuesday. At present, nearly 70% of power generation depends on aging, less efficient plants, according to Pehin Dato Hj Halbi Hj Mohd Yussof.

Can Brunei maintain a sustainable electricity supply amid growing FDI?

Addressing concerns over Brunei's capacity to maintain a sustainable electricity supply amid growing FDI, the minister emphasised the government's commitment to ensuring an uninterrupted and secure power supply.

How much electricity does Brunei use?

The country ranks among the highest electricity consumers in the region. In 2021, Brunei's per capita electricity consumption reached 8,000 kWh,

significantly higher than Malaysia's 5,000 kWh per capita, according to the ASEAN Energy Statistics 2023.

How has Brunei changed over the past 5 years?

Over the past five years, as a part of its economic diversification efforts, Brunei has been upgrading its power generation to modernize infrastructure, reallocating resources to more productive economic sectors.

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