

**SolarInnovate Energy Solutions**

# **Kuala Lumpur Energy Storage Project**



## Overview

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KUALA LUMPUR (Jan 26): Tenaga Nasional Bhd will kick-start a 400 megawatt-hour (MWh) battery energy storage system (BESS) pilot project in this quarter, marking Malaysia's first utility-scale battery storage project to address intermittency issues of renewable energy (RE). Why is battery storage important in Malaysia?

The integration of battery storage is becoming increasingly essential as Malaysia seeks to leverage more renewable energy sources, particularly solar power. Solar energy's variability, dependent on weather conditions, necessitates reliable storage solutions to ensure a consistent electricity supply during periods of low or no sunlight.

How much solar storage is needed in Malaysia?

In a recent interview, outgoing TNB president and CEO Datuk Seri Baharin Din highlighted the substantial storage requirements, estimating that around 500MW of storage capacity would be needed for every 1GW of solar capacity. This underscores the scale of investment required to fully integrate renewable energy into Malaysia's energy mix.

What is Malaysia's energy transition pilot project?

This pilot project is a strategic move to bolster the nation's energy transition efforts and enhance the resilience of the electricity grid network. The Ministry of Energy Transition and Public Utilities emphasized the importance of this project in supporting Malaysia's clean energy aspirations.

Why is Malaysia launching a Bess project?

The inaugural development of public BESS project in Malaysia is part of the Government's efforts to support the energy transition and achieve the goals of increasing the country's installed renewable energy capacity to 70% and to achieve net-zero by 2050.

Should battery storage be included in solar projects?

Integrating battery storage into solar projects, for example, could significantly increase project tariffs, posing financial challenges for developers and offtakers. However, the government's push for renewable energy adoption has prompted a closer examination of the role and financing of battery storage infrastructure.

What is Energy Storage Summit Asia?

Energy-Storage.news' publisher Solar Media will host the 1st Energy Storage Summit Asia, 11-12 July 2023 in Singapore. The event will help give clarity on this nascent, yet quickly growing market, bringing together a community of credible independent generators, policymakers, banks, funds, off-takers and technology providers.

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