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Malaysia Telecom BESS Power Station Specifications

Overview

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As of 2025, Peninsular Malaysia’s installed solar photovoltaic (PV) capacity has exceeded 2.5 GW, making up more than 7% of the region’s total installed capacity. While this signals strong progress toward a low-carbon future, it also introduces operational challenges to a grid originally designed.

KUCHING: Sarawak made history with the launch of Malaysia’s first utility-scale Battery Energy Storage System (BESS) at Sejingkat Power Station, led by Sarawak Energy Berhad (SEB). The 60-megawatt (MW) BESS began operations in December 2024, marking a significant milestone in modernizing the.

Sarawak Energy, commissioner of the 60 MW/82 MWh battery energy storage system (BESS), is one of the biggest utilities serving Sarawak, a Malaysian territory on Borneo island. Malaysian utilities company Sarawak Energy has commissioned what is described as the nation’s first utility-scale battery.

IN a bid to accelerate the adoption of renewable energy (RE) and ahead of the upcoming fifth large-scale solar (LSS5) programme, the government has opened up the installation of battery energy storage systems (BESS) to third parties, under concession agreements, according to documents sighted by.

With the growing demand for reliable electricity supply, Sarawak Energy has recently commissioned the first utility-scale Battery Energy Storage System (BESS) in Malaysia. Located at the Sejingkat Power Plant in Kuching and energised in December 2024, the 60MW/82MWh BESS provides essential grid.

These documents serve as authoritative references for Grid-Connected Power Park Module, SCADA integration, Battery Energy Storage Systems (BESS), and other essential technologies. Each guideline outlines the minimum technical requirements, operational standards, and compliance procedures necessary.
What is Malaysia's first utility-scale battery energy storage system?

Malaysian utilities company Sarawak Energy has commissioned what is described as the nation’s first utility-scale battery energy storage system (BESS). The 60 MW/82 MWh BESS, which was first energized in Dec 2024, shares the site with the soon-to-be-phased-out Sejingkat Power Plant, first commissioned in 1998.

Is Sarawak Energy launching a battery energy storage system in Malaysia?

With the growing demand for reliable electricity supply, Sarawak Energy has recently commissioned the first utility-scale Battery Energy Storage System (BESS) in Malaysia.

What is Malaysia's first utility-scale deployment?

The most recent milestone came in late 2024 when Sarawak Energy commissioned a 60MW/82MWh BESS in Sejingkat, Kuching. This project, co-located with a retiring coal power station, is Malaysia’s first utility-scale deployment, marking a leap forward in reliability and modern grid design.

Where is Sarawak Energy's Bess power plant located?

The BESS is located at the 150MW Sejingkat Power Plant, Borneo’s first and Malaysia’s second coal-fired power plant, which was commissioned in 1998 and is being gradually phased out. This transition reflects Sarawak Energy’s commitment to environmental responsibility and reducing carbon emissions.

Why is Malaysia integrating Bess as a core grid asset?

This auction signals a strategic shift. Rather than waiting for grid instability to emerge as a binding constraint, Malaysia is moving ahead to integrate BESS as a core grid asset, aimed at absorbing excess renewable energy, reducing curtailment, and maintaining frequency stability.

Why is Bess important for Sarawak's Energy Grid?

Sarawak Premier Datuk Patinggi Tan Sri (Dr) Abang Abdul Rahman Zohari Tun Datuk Abang Openg emphasized the importance of BESS in stabilizing and

improving the efficiency of Sarawak’s energy grid. “This is the first system of its kind in Malaysia.

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