SolarTech Power Solutions

Jamaica Communication Base Station Energy Storage System Project

Overview

How can battery energy storage help Jamaica?

Battery energy storage systems (BESS) are now emerging as a cornerstone technology to address these challenges—helping Jamaica stabilize its grid, unlock more renewable energy, and reduce electricity costs for both consumers and businesses. The country’s electricity cost can reach as high as $0.32 per kilowatt-hour, far above global averages.

Will JPS build a solar power plant in Jamaica?

Power utility Jamaica Public Service Company, JPS, is investing US$300 million to construct Jamaica’s largest solar power plant and a battery storage facility, starting this month. The renewable energy facility will replace JPS’s aged Hunts Bay.

Why is energy storage important in Jamaica?

Jamaica is committed to reducing its dependence on imported fossil fuels. The country’s National Energy Policy sets an ambitious target: 50% of electricity from renewable sources by 2037. Energy storage plays a critical role in achieving this target. Key policy support includes:.

Why should a company invest in battery storage in Jamaica?

By integrating battery storage with rooftop solar systems or hybrid microgrids, Jamaican companies can maximize renewable use while gaining financial savings and branding advantages. Beyond the city centers, many Jamaican communities live in remote or coastal areas with limited access to stable electricity.

Are microgrids the future of energy in Jamaica?

Microgrids reduce diesel fuel dependency, extend energy access, and promote community-level energy independence. These modular systems can scale with demand and offer a sustainable alternative to costly grid expansion. Battery

energy storage systems are no longer optional—they are essential to Jamaica’s clean energy future.

Does JPs have a battery storage facility?

JPS owns the largest battery storage facility which generates up to 24.5MW of electricity. It cost the utility US$27 million to install in Hunts Bay in 2019. Storage facilities help stabilise the power fluctuations from renewable energy sources like solar and wind.

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