

# **Jamaica s grid-side energy storage policy**





## Overview

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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.

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:

What does the National Energy Policy 2030 mean for Jamaica?

The National Energy Policy 2030 serves as the roadmap for achieving energy security and outlines a clear vision for Jamaica's energy future. The targets are to:

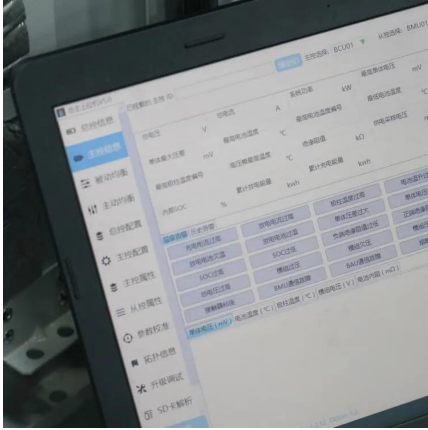
- Have at least 50 per cent of the country's electricity generated from renewable sources.
- Transition power plants from oil-based fuels to Liquefied Natural Gas (LNG).

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.



## Jamaica's grid-side energy storage policy



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Jamaica's ambitious renewable energy goals. These include (1) integrating renewable sources into the existing grid, (2) building technical capacity, (3) overcoming financial barriers, and (4) ...



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