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Mauritius lithium battery energy storage project



Overview

In an exciting development for renewable energy in Africa, Qair, an Independent Power Producer (IPP), has successfully closed a loan to finance a significant 60MW hybrid solar photovoltaic and battery energy storage system (BESS) project in Mauritius. Why is battery energy storage system being introduced in Mauritius?

The CEB is introducing a Battery Energy Storage System (BESS) on its network to arrest the fluctuation inherent to Variable Renewable Energy (VRE) systems. This is due to the increasing share of VRE in Mauritius' energy mix, as the country's energy transition to a low carbon economy gains momentum.

How will Mauritius transition to a low carbon economy?

Mauritius is transitioning to a low carbon economy, with the Central Electricity Board (CEB) installing the first grid-scale Battery Energy Storage System (BESS). This is the first of its kind in Mauritius and enables high capacity storage of renewable energy in the grid.

What is Mauritius' long term energy strategy?

The Government of Mauritius' Long Term Energy Strategy 2009-2025 aims to increase the share of renewable energy in our energy mix to 35% by 2025. This includes reducing the country's dependence on coal and heavy oil for electricity generation.

What is Mauritius aiming to reduce dependence on?

The Government of Mauritius' Long Term Energy Strategy 2009-2025 aims to increase the share of renewable energy in our energy mix to 35% by, reducing the country's dependence on coal and heavy oil for electricity generation.

What is the role of battery systems in stabilizing the grid?

The battery systems will allow more renewable energy, which are typically of intermittent (on and off) nature such as solar and wind, to be on-boarded onto

the national grid by carrying out the crucial role of helping to stabilize the frequency and voltage of current supply to our homes, schools, hospitals and industries, to name a few.

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