



# Fiji battery storage

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Founded in 2008, EcoDirect is a value added distributor that helps Fijian installers, do-it-yourselfers (DIY), homeowners, businesses and commercial projects in Viti Levu, Vanua Levu, Taveuni, Kadavu and throughout the Fijian archipelago with project design, supply, logistics and technical support.

The best way to get started is to fill out our commercial project intake form. Our team will then reach out to schedule an introductory call to learn more about the project goals, timelines, and discuss potential incentives and rebates. [Click here to begin.](#)

For homeowners, one of the key incentives is the Zero Import Duty on renewable energy equipment, including solar panels and battery storage systems. This policy makes solar installations more affordable by eliminating taxes on imported solar equipment. Homeowners who wish to install solar panels can also benefit from subsidies provided by the Fijian government under its renewable energy initiatives. In order to qualify for these incentives, homeowners must ensure that their solar systems meet the technical standards set by Energy Fiji Limited (EFL).

Businesses in Fiji can also take advantage of the zero import duty on renewable energy equipment. Larger businesses may also be eligible for grants or low-interest loans from international organizations such as the Asian Development Bank (ADB) and the Green Climate Fund, which provide additional financial support for large-scale renewable energy projects.

In a pioneering effort for the Pacific region, Sunergise International subsidiary Clay Energy, in collaboration with the Fiji Government and funded by the Korea International Cooperation Agency (KOICA), spearheaded the establishment of a groundbreaking 1MW grid-connected solar photovoltaic farm coupled with a battery energy storage system (BESS) on Taveuni, the third-largest island in Fiji.

It is the first large-scale grid export solar and battery solution to be deployed in the country, providing the benefit that the battery system can stabilise the grid when sun days are low. It also saves on diesel generation that has been used to deliver electricity to the Taveuni grid in the past - cutting emissions in the process.

By harnessing the abundant solar resources of the region, this project aligns with Fiji's national target of achieving 100% renewable electricity and its international commitments to reduce greenhouse gas emissions by 30% by 2030, thus improving living standards, health outcomes, job creation, climate resilience and food security. The installation of this solar farm further ensures grid stability and reliability, providing a sustainable solution to the challenges of energy access for the island's residents.

PFAN provided vital support to Clay Energy, assisting with financial model refinement and business plan development and drafting their pitch deck for investors. "Your credibility and ability to deliver on a project

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within a certain timeframe are key. PFAN's main involvement in this project is with the private sector entity, where they can access financing or utilise our advisory services to help structure their ask for finance", says David Eyre, PFAN Regional Coordinator for the Pacific Islands.

The battery storage system augments grid stability and reliability by storing surplus solar energy for use during periods of low generation or high demand while also providing backup power during outages. "The current system powers the main population centres, and considering how the communities are spread out across Taveuni, it will allow for most, if not all, of the people of Taveuni to be connected to the grid. This will enable Taveuni to run entirely on renewable energy", added Shaneel.

The nature of grid connectivity on the small island states of the South Pacific differs significantly from larger countries with expansive national grids - this project benefits a highly rural, off-grid setting. "Because it's in an off-grid space within an off-grid scenario, it will be a project that everybody will be looking towards. The opportunity lies in its potential for easy replication if it proves successful - entities involved will likely seek to replicate it elsewhere", explains David.

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