

## A-Core Container

# Kiribati solar grid-connected energy storage



## Overview

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High technical RE potential for solar and some wind. Out of many options considered, utility-scale solar with battery back-up best aligns with SREP and national criteria. Identify medium- to long-term RE investment on Kiritimati Island. Inform generation investments for Phase 2. Using outputs of.

Imagine living on islands where diesel generators guzzle \$0.85/kWh fuel while seawater creeps into freshwater lenses. That's Kiribati's reality - 33 coral atolls facing energy poverty and climate threats simultaneously. With 70% of urban households experiencing daily blackouts during peak hours.

Looking to address challenges at the local level, the roadmap recommends solar desalination in South Tarawa; a combination of wind power, PV and battery storage for Kiritimati Island; and renewable-based refrigeration for fish in the Outer Islands. MPower has been awarded the contract to build a.

Greenhouse gas emissions reduced in Kiribati. The project will have the following outcome: generation and utilization of clean energy in South Tarawa increased. 24 13. Output 1: Solar photovoltaic and battery energy storage system installed rate power system not managed by the PUB. 6. Constrained.

What is the impact of a solar energy project in Kiribati?

The project is aligned with the following impact: renewable energy generation increased and greenhouse gas emissions reduced in Kiribati. The project will have the following outcome: generation and utilization of clean energy in South Tarawa.

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