

# **South Tarawa BESS Outdoor Base Station Power Supply Company**





## Overview

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Does South Tarawa need battery storage?

The current power system in South Tarawa already has installed or planned grid connected PV capacity to meet some of the peak demand, but grid reliability will increasingly be put at risk as additional intermittent generation is added to the grid. Thus, to ensure system stability, battery storage needs to be deployed in the immediate future.

What percentage of South Tarawa's electricity is solar?

As of March 2018, 22% of total installed electricity capacity on South Tarawa is ground and roof-mounted solar PV.

Who produces grid-connected electricity in South Tarawa?

Grid-connected electricity in South Tarawa is generated and distributed by the state-owned Public Utilities Board (PUB), established under the Public Utilities Ordinance (1977, and further amended in 2000). The PUB's mission is to commercially provide and maintain quality, reliable electricity, water, and sewerage disposal services to Tarawa.

How will STREP impact South Tarawa?

STREP will allow the South Tarawa grid to achieve 44% renewable energy penetration, higher than the Kiribati Integrated Energy Roadmap (KIER) target for South Tarawa, which is 36% RE penetration by 2025<sup>1</sup>. Increased solar generation will benefit the economy through reduced importation of fossil fuels and placing downward pressure on tariffs.



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### [South Tarawa Energy Storage Project: Powering Kiribati's ...](#)

Oct 1, 2023 · Imagine a place where rising sea levels threaten daily life while diesel generators cough smoke into the same air people breathe. Welcome to South Tarawa, Kiribati - ground ...

### [Harnessing Solar Power in South Tarawa How Rural Rooftop ...](#)

SunContainer Innovations - Discover how South Tarawa's rural communities are adopting rooftop photovoltaic panels paired with Battery Energy Storage Systems (BESS) to overcome energy ...



### [South Tarawa Energy Storage Power Supply Specifications](#)

This project aims to reduce the climate vulnerability of the entire population of South Tarawa through increased water security by providing them with a reliable, safe, and climate-resilient ...

### [South Tarawa Renewable Energy Project \(Phase 2\) \(ADB ...](#)

Dec 10, 2024 · The project will indicatively install 4 megawatts (MW) FPV, 3 megavolt-ampere (MVA) /5 megawatt-hour (MWh) BESS, and 33 kilovolt (kV) underground transmission network ...



### [South Tarawa Renewable Energy Project \(Phase 2\): ...](#)

Dec 26, 2024 · The joint procurement of the PV, BESS and O& M contracts for STREP and for the South Tarawa Water Supply Project (STWSP) funded by the ADB, the Green Climate Fund, ...

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