

## SolarTech Power Solutions

# Palau s solar energy storage ratio



## Overview

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SPEC has been cultivating relationships in Palau since 2014. After a competitive RFP process, SPEC was awarded a Power Purchase Agreement (PPA) in April 2021 to supply 23,000 MWh annually to Palau Public Utilities Corporation (PPUC). Solar electricity will be produced by a hybrid 15.3 MWdc (13.2.

The solar-plus-storage system converts sunlight into electricity, stores excess energy, monitors power generation, and discharges power when needed, reducing dependence on the grid. Achieve a renewable energy share of 45% within one year. 97.5% Residential 32.5% power development. Imported dence.

acity (the Project). Located on Palau's largest island, Babeldaob, the Project will comprise a 15.28-megawatt peak capacity solar photovoltaic facility, and a 12.9-megawatt battery energy storage system. When complete, it will be among the largest hybrid facilities of its kind in the Pacific and.

ne Power, a privately owned company. The plant will provide approximately 20 per cent of Palau's power needs, delivering up to 23,000 megawatt hours per year to the grid network, reducing Palau's reliance on fossil fuel energy storage system facility. Extensive safeguards to protect Palau's pristine environment SPEC.

Philippine renewable energy firm Alternergy and its subsidiary Solar Pacific Energy Corporation (SPEC) have recently launched the Republic of Palau's first solar and battery energy storage system (BESS) project in Ngatpang state on

Babeldaob island. With a capacity of 15.3 MWp solar PV and 12.9 MWh.

An AIFFP loan and grant package has supported Solar Pacific Pristine Power to build Palau's first solar and battery energy storage facility, key to its transition to renewable energy. We're proud to have supported the establishment of Palau's first utility-scale solar power plant at Ngatpang on Babeldaob. What is Palau's energy storage system?

The energy storage system, was undertaken by Solar Pacific Pristine Power, a privately owned company. The plant will provide approximately 20 per cent of Palau's power needs, delivering up to 23,000 megawatt hours per year to the grid network, reducing Palau's reliance on expensive diesel generators.

How will solar energy be produced in Palau?

Solar electricity will be produced by a hybrid 15.3 MWdc (13.2 MWac) solar photovoltaic (PV) plus 10.2 MWac/12.9 MWh battery energy storage system facility. Extensive safeguards to protect Palau's pristine environment SPEC did not leave any stone unturned to protect the pristine Palau ecosystem.

Does Palau rely on fossil fuels?

As a small island developing state, the Republic of Palau sought to wean itself off its dependence on fossil fuel for power, which accounts for 99.7% of the country's power generation. To address this issue, Palau invited Solar Pacific Energy Corporation (SPEC), Alternergy's solar developer, to develop a clean, renewable energy source.

What is the Palau solar battery project?

The Palau Solar Battery Project will be the largest such project in the Western Pacific. It will lessen Palau's imported fuel dependency, a major step towards its ambitious goal of 100%.

Where is Palau's first solar power plant located?

We're proud to have supported the establishment of Palau's first utility-scale solar power plant at Ngatpang on Babeldaob. The energy storage system, was undertaken by Solar Pacific Pristine Power, a privately owned company.

Can solar power be used in Palau?

Solar has high potential for deployment in Palau within its existing net

metering regulations and financing mechanisms, and could support a reduction in fossil fuel imports.

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