

# **The power supply type of the Solomon Islands solar container communication station is**





## Overview

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What is the main source of electricity in Solomon Islands?

In Solomon Islands, electricity is primarily generated through the combustion of fossil fuels. The demand for power in Honiara, the capital, has been increasing rapidly since 1996, but the power plants have not been able to keep up with the demand.

Why is the power supply in the Solomon Islands so volatile?

Currently, most of the power in the Solomon Islands is dependent on diesel generated power which uses imported fuel. This volatile energy supply structure is susceptible to soaring fuel prices, and the people want it to be rectified as soon as possible.

Does Solomon have a solar system?

Solomon has natural conditions suitable for solar power, and they are promoting renewable energy, but the grid-connected photovoltaic power generation system (hereinafter referred to as “grid-connected PV system”) has not been introduced.

What is the power generation capacity of Solomon Islands?

The power generating capacity of the Solomon Islands is currently 10.2 MW, which is equal to its peak load capacity. One mining company in the Solomon Islands generates its own electricity with a power capacity of 11 MW and a peak load of 8 - 9 MW.



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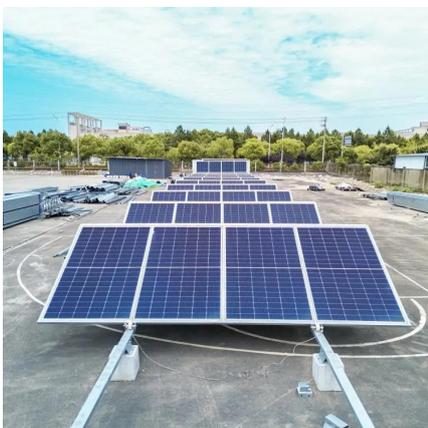
### EIA BATTERY STORAGE SOLOMON ISLANDS

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## ENERGY EQUIPMENT SUPPLIED IN SOLOMON ISLANDS

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### Case study: Solomon Islands' Energy Transition Pathway

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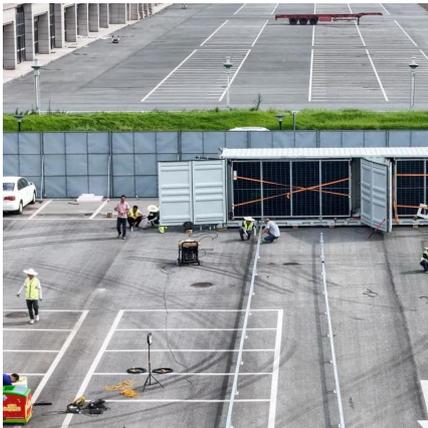
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## Solar Power Supply System For Communication Base ...

The solar power supply system for communication base stations is an innovative solution that utilizes solar photovoltaic power generation technology to provide electricity for communication ...



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Current development issues for the target field2. OUTLINE OF THE PILOT SURVEY FOR DISSEMINATING SME'S TECHNOLOGIES Division of Energy JICA JICA MMERE Okinawa Kobori Electric Co., Ltd SIEA Okinawa Enotech Co., Ltd 4. FUTURE PROSPECTS Attachment: Outline of the survey Implemented Activities in the Survey Outputs and Outcomes of the Survey Promotion of Renewable Energy deployment: The suitable natural conditions for solar power are existed in Solomon, but currently most all power is produced by imported diesel fuel. Revision of expensive electric rates: Since power is produced by imported fuel, electric rates are very expensive. Revision of the vulnerable energy supply structure: It i See more on [openjicareport.jica.go.jp/tesolomons](http://openjicareport.jica.go.jp/tesolomons)

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