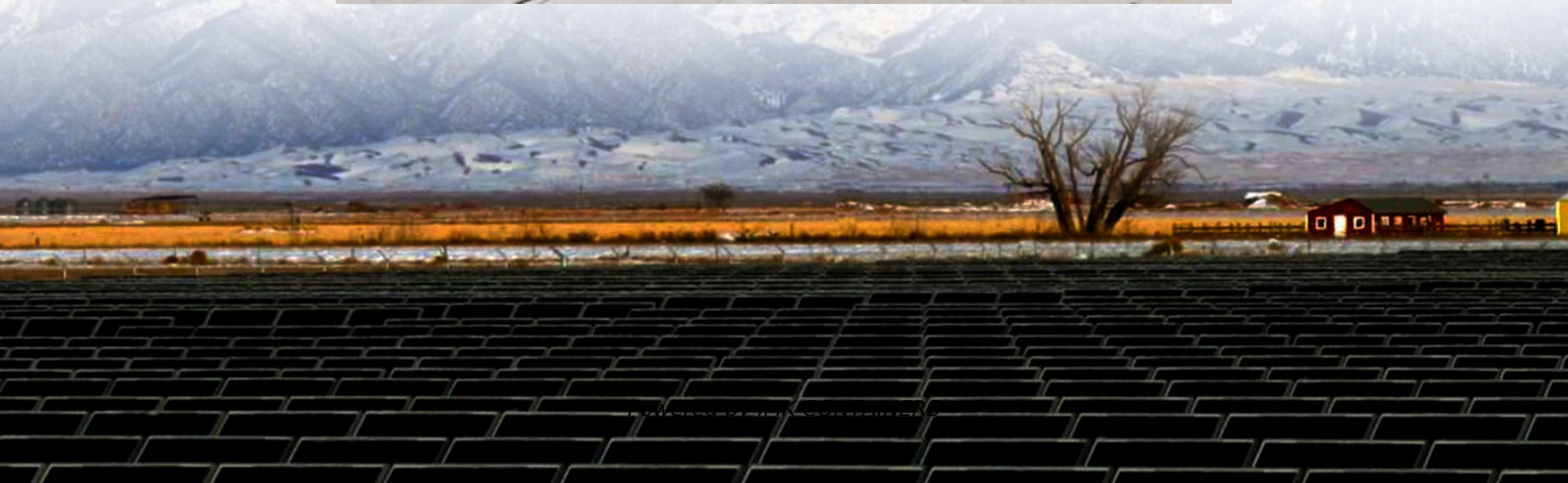


# **Essential equipment for solar air conditioning in the Solomon Islands**





## Overview

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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.

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.

Is Solomon (Honiara) a good place to install solar panels?

Solomon (Honiara) has about 1.3 times the amount of solar radiation (horizontal plane) than Japan, so the environment is optimal for PV installation. Using the following calculation method, the amount of power generated annually was calculated based on this solar radiation data.

How much money does a private company need in the Solomon Islands?

The interviews were conducted in the following 6 locations. According to the results of the customer survey, the maximum investment at one time for the average private company in the Solomon Islands is 200,000 SBD, so it was determined that deployment would be difficult with an initial cost similar the one for this project.



## Essential equipment for solar air conditioning in the Solomon Islands

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On these backgrounds, Okinawa-Kobori Electric Co., Ltd. which has the technology of the grid-connected PV system combined with commercial small-capacity power ...

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Current development issues for the target field2. OUTLINE OF THE PILOT SURVEY FOR DISSEMINATING SME'S TECHNOLOGIESDivision of EnergyJICA JICA MMERE  
Okinawa Kobori Electric Co., Ltd  
SIEA  
Okinawa Enetech Co., Ltd4. 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/mathtutordvd](http://openjicareport.jica.go.jp/mathtutordvd)

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