

**SolarInnovate Energy Solutions**

# **Solomon Islands Energy Storage Photovoltaic Requirements**



## Overview

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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.

How many kilowatts of solar will be installed at Solomon power office?

Roof top solar – 220kilowatts at Solomon Power office. This will be commissioned toward end of November end this year. Planned Projects: Plans to acquire land with SDA mission on their land close to SP Lungga Station.

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.

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.

What is the legal framework for environmental and social safeguards in Solomon Islands?

Solomon Islands Legal Framework for Environment and Social Safeguards The Constitution of Solomon Islands recognizes customary rights to ancestral land of the Indigenous population. About 83%4 of land in the country is under customary tenure, with the remainder considered “alienated”.

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