

## Solar Energy South Africa

# Solomon Islands solar power irrigation project



## Solomon Islands solar power irrigation project



### [PH10 Bataan 50MW Solar Farm Project](#)

\* Note: Project is designed to achieve the result described below for 2020. Impact: Reduced GHG emissions from introduction of solar into the power mix. Outcome: Solar project investment mobilized Project Outputs completed in 2019: i. Green Growth Policies: N/A. ii. Green Investments: N/A. iii. Capacity Building and Knowledge Products: N/A

### Projects

Kutehr hydropower project; Building renewable energy capacity in the Solomon Islands; Kidston Pumped Storage Hydro Project (K2-Hydro) - Owner's Engineer; Nikachhu run-of-river hydropower project; Walcha Off-Creek Storage - A Boost to Climate Resilience; Ross Island Wind Energy Network; King Island's Huxley Hill Wind Farm and Solar Farm

#### Lithium Solar Generator: \$150



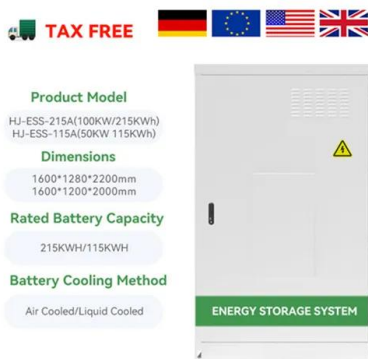
- LIQUID/AIR COOLING
- ON GRID/HYBRID
- PROTECTION IP54/IP55
- BATTERY /6000 CYCLES

### Solomon Islands: Solar Power Development Project

Solomon Islands: Solar Power Development Project  
 Project Name Solar Power Development Project  
 Project Number 48346-002 Country / Economy Solomon Islands  
 Project Status Active  
 Project Type / Modality of Assistance Grant  
 Source of Funding / Amount Grant 0514-SOL: Solar Power Development Project  
 Asian Development Fund US\$ 2.24 million Grant 0515

## Lunga Power Station

Projects. Tina River Transmission System - 66kV Transmission Lines; Solomon Islands Electricity Access and Renewal Energy Expansion Project; Solomon Islands: Solar Power Development Project; Solomon Power Solar Projects; Old Lungga Electrical Upgrade Projects; Honiara Power Station Upgrade Project; Solomon Power Network Extension Projects



## Buala Mini Hydro Refurbishment Project

Projects. Tina River Transmission System - 66kV Transmission Lines; Solomon Islands Electricity Access and Renewal Energy Expansion Project; Solomon Islands: Solar Power Development Project; Solomon Power Solar Projects; Old Lungga Electrical Upgrade Projects; Honiara Power Station Upgrade Project; Solomon Power Network Extension Projects

## **Empowering Solomon Islands: A Brighter Future with ...**

Access to energy in Solomon Islands is a widespread issue. Supply is unreliable and cost unaffordable by most of the population. In rural areas it's a more pressing issue, it is almost non-existent. However, a recent initiative by the ...



## **Asian Development Bank signs deals with Solomon Islands and ...**

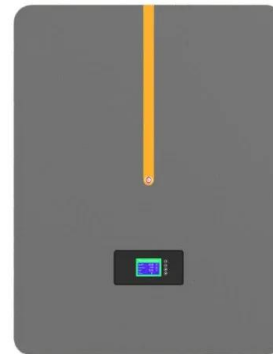
The Solomon Islands Renewable Energy Development project will help deliver solar PV power plants with a total capacity of 2.5MW and help facilitate the development of what the ADB



claims is the

[SOL: Solar Power Development Project](#)

Solar Power Development Project (RRP SOL 48346) Initial Environmental Examination Date: April 2016 Document Status: Final Draft Solomon Power (formerly Solomon Islands Electricity Authority (SIEA)) with assistance of Asian Development Bank (ADB) proposes to develop and operate grid connected solar-diesel-



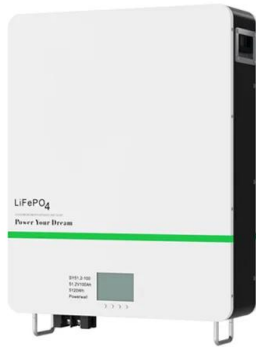
[New Lungga Power Station](#)

PROJECT DETAIL: Construction of new power station and installation of 4 new x 2.5MW Generator BUDGET: SBD \$130m. FUNDING SOURCE: SIEA. STATUS: Works are currently ongoing. ESTIMATED COMPLETION DATE: September 2015. This project is a major project undertaken by SIEA this year.

[ANNUAL REPORT 2023](#)

Solomon Islands And The Honourable Harry D. Kuma MP Minister of Finance and Treasury PO Box G26, Honiara, Solomon Islands Dear Honourable Ministers, SOLOMON ISLANDS ELECTRICITY AUTHORITY (Trading as Solomon Power) ANNUAL REPORT 2023 On behalf of the Board of Directors of Solomon Power, I have the honour to submit to you both the ...



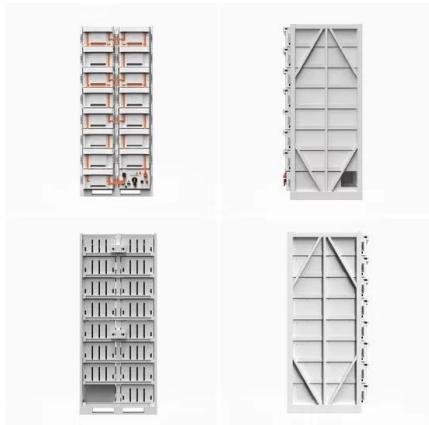


## Solar Farm

Projects. Tina River Transmission System - 66kV Transmission Lines; Solomon Islands Electricity Access and Renewal Energy Expansion Project; Solomon Islands: Solar Power Development Project; Solomon Power Solar Projects; Old Lungga Electrical Upgrade Projects; Honiara Power Station Upgrade Project; Solomon Power Network Extension Projects

## Licensed Electrical Contractors

Projects. Tina River Transmission System - 66kV Transmission Lines; Solomon Islands Electricity Access and Renewal Energy Expansion Project; Solomon Islands: Solar Power Development Project; Solomon Power Solar Projects; Old Lungga Electrical Upgrade Projects; Honiara Power Station Upgrade Project; Solomon Power Network Extension Projects



## Solar Power Development Project for Solomon Islands

The project will be the first solar power project in Solomon Islands to install battery storage, which will allow electricity to be stored from the sun during the day to power the provincial towns at night. The project will ...


## Solomon Islands: Solar Power Development Project

Solomon Islands install solar power hybrid grids, including battery storage, to replace diesel generation. Following the project, an estimated 78% of power generated at the five targeted Funds resources to help finance the project.

Solomon Islands has received in principle approval of \$6.20 million grant from the SCF, to assist in financing

**LIQUID COOLING ENERGY STORAGE SYSTEM**

EMS real-time monitoring  
No container design  
flexible site layout



Cycle Life **≥ 8000**      Nominal Energy **200kwh**      IP Grade **IP55**



## Partner Agencies

The project has the following outputs that should be all achieved by December 2020: (i) Solomon Power installs 2 megawatts of solar power; (ii) Solomon Power generates 3.1 gigawatt-hours a year of solar power; (iii) Implement training program for 10 Solomon Power staff in solar power plant operation, including on-the-job training during

## Application for Service

Projects. Tina River Transmission System - 66kV Transmission Lines; Solomon Islands Electricity Access and Renewal Energy Expansion Project; Solomon Islands: Solar Power Development Project; Solomon Power Solar Projects; Old Lungga Electrical Upgrade Projects; Honiara Power Station Upgrade Project; Solomon Power Network Extension Projects



## Fiu River Mini Hydro Power Project

Under the Provincial Renewable Energy Project, the Asian Development Bank (ADB) will support the project under loan/grant assistance to the Government of the Solomon Islands. The executing agency (EA) for the project is the Ministry of Mines, Energy and Rural Electrification (MMERE) and the implementing



agency (IA) is SIEA.

## [Tariff Adjustments for October 2024](#)

Projects. Tina River Transmission System - 66kV Transmission Lines; Solomon Islands Electricity Access and Renewal Energy Expansion Project; Solomon Islands: Solar Power Development Project; Solomon Power Solar Projects; Old Lungga Electrical Upgrade Projects; Honiara Power Station Upgrade Project; Solomon Power Network Extension Projects



## **7 acre solar farm brings green energy to soloman island**

project for the electricity access and renewable energy expansion for Solomon Islands. The project will support the Solomon Islands'' government to boost renewable energy generation and increase access to grid-supplied electricity, while reducing reliance on

## [SOL: Solar Power Development Project](#)

Solomon Power with assistance of Asian Development Bank (ADB) proposes to develop and operate grid connected solar-diesel-battery hybrid power stations in five provincial centres in the Solomon Islands, which will largely substitute

for existing diesel generation.

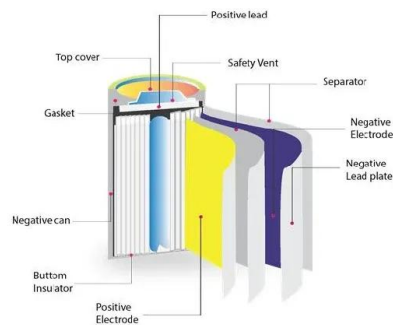


## [Solomon Power Development Project \(SPDP\)](#)

The Solar Power Development Project will install about 2 megawatt of solar power generation capacity with battery storage at the provincial out-stations of Kirakira, Lata, Malu'u, Munda, and Tulagi. and by funding from the Solomon Islands Government (SIG). The project involves installation of solar-diesel hybrid systems with battery

## Solomon Islands: Solar Power Development Project

The project will assist Solomon Islands install solar power hybrid grids, including battery storage, to replace diesel generation. Following the project, an estimated 78% of power generated at the five targeted provincial grids will be from solar power. Project preparatory technical assistance was used in project preparation.<sup>1 2.</sup>



## Solar Power Development Project for Solomon Islands

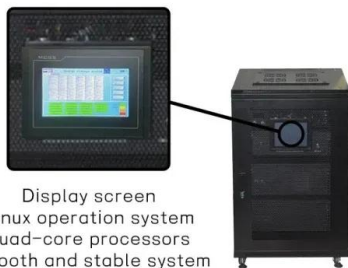
The Solar Power Development Project will construct grid-connected solar plants in five provinces: Kirakira, Lata, Malu'u, Munda, and

Tulagi. The project will be funded by a \$2.24 million grant from ADB, \$6.2 ...



## Output Based Aid Programme (OBA)

Projects. Tina River Transmission System - 66kV Transmission Lines; Solomon Islands Electricity Access and Renewal Energy Expansion Project; Solomon Islands: Solar Power Development Project; Solomon Power Solar Projects; Old Lungga Electrical Upgrade Projects; Honiara Power Station Upgrade Project; Solomon Power Network Extension Projects



Display screen  
 Linux operation system  
 quad-core processors  
 smooth and stable system

## **Solomon Islands Electricity Access and Renewable Energy**

...

This will provide access of low-income households to electricity in Peri-urban and rural areas of Solomon Islands, and by increasing the generation capacity of renewable energy facilities (solar PV) in the Islands.

## Tariff Adjustments for November 2024

Projects. Tina River Transmission System - 66kV Transmission Lines; Solomon Islands Electricity Access and Renewal Energy Expansion Project; Solomon Islands: Solar Power Development

Project; Solomon Power Solar Projects; Old Lungga Electrical Upgrade Projects; Honiara Power Station Upgrade Project; Solomon Power Network Extension Projects



## Solomon Power Committed Capital Projects 2022-2025

Component 3 - Grid-Connect Solar: TBC: TBC: 19/04/2022: Solomon Islands: Solar Power Development Project: Mini Grids: TBC: TBC: 19/04/2022: Solomon Power Solar Projects: Afio Solar Hybrid: TBC: TBC: 19/04/2022: Tanagai Point of Supply - 1 MW Solar Farm: TBC: TBC: 19/04/2022: Old Lungga Electrical Upgrade Projects: Old Lungga Electrical

### Summary Report Solomon Islands

assist in improving the power situation in the Solomon Islands by transferring Okinawan technology 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. In this Dissemination and Demonstration Project, Okinawa



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