

# Palau power solar supply





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### Get solar

Palau Solar designs, supplies and installs domestic solar power throughout the archipelago of the islands of Palau, east of the Philippines in Micronesia. Through a project with the Asian Development Bank, Palau Solar is transforming the islands with renewable energy.

### PRODUCER (IPP) SOLAR FARM

ROP'S FIRST INDEPENDENT POWER PRODUCER (IPP) SOLAR FARM The Palau Public Utilities Corporation (PPUC) remains committed in achieving Palau's target of 45% renewable as contemplated under the Nationally Determined Contributions (NDCs) declared in 2015. At nearly 94% of energy generation deriving from diesel,



### CASE STUDY Palau Solar

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 generate over 20 per cent of Palau's energy needs.

### Energy storage

SPEC was awarded a long-term power supply agreement by the Palau Public Utilities Corporation (PPUC) to feed power to the central grid in Badelboab. The power plant was



inaugurated last June 2. DNV's work scope for the solar + BESS hybrid system, SPEC's first venture into overseas markets, spanned four phases across the design, pre



- Efficient Higher Revenue**
  - Max Efficiency 97.5%
  - Max PV Input Voltage 600V
  - 100% Peak Output Power
  - 240V Modules, 100% DC Input Overvoltage
  - Max PV Input Current 55A, Compatible with High Power Modules
- Intelligent Simple O&M**
  - IP66 Protection Degree: support outdoor installation
  - Smart ITC Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
  - DC & AC Type II SPD: prevent lightning damage
  - Battery Reverse Connection Protection
- Flexible Abundant Configuration**
  - Flg & Flg, EPF Switching Under 10ms
  - Compatible with Lead-acid and Lithium Batteries
  - Max. 6 Units Inverters Parallel
  - MFC Function (Optional): when an arc fault is detected the inverter immediately stops operation



### Palau Solar Power

Developing a dynamic, stable grid that can manage reverse power flows is part of what will be a multigenerational power solution that takes the country towards net zero. The Palau project is ongoing, with the company now offering commercial ...

### Alternergy And Solar Pacific Inaugurate Palau's Largest Solar PV

Renewable power pioneer Alternergy Holdings Corp. (Alternergy) and its subsidiary Solar Pacific Energy Corporation (Solar Pacific) inaugurated the Republic of Palau's first solar PV + battery energy storage system (BESS) project and the largest to date in the Western Pacific region.



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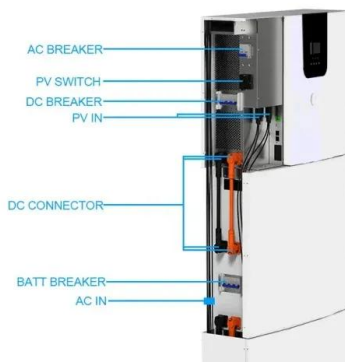


## Building Palau's first utility-scale solar power plant

An AIFFP-funded solar power plant and batter storage facility has been officially inaugurated in Palau. The plant, comprised of 15.28 MWp of solar power generation and a 12.9MW battery storage facility, is at Ngatpang on Babeldaob, Palau.

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## Palau 13.2 MWac Solar Photovoltaic Plus 12.9MWh Battery

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 MWac) solar photovoltaic (PV) plus 10.2 MWac/12.9 MWh battery energy storage system facility.



12.8V 200Ah



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## Alternergy installs Palau's largest solar and battery energy ...

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 Babeldoab island.



## Home

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