
Palau New Energy Storage Base

Does Palau rely on fossil fuels?

As a small island developing state, the Republic of Palau sought to wean itself off its dependence on fossil fuel for power, which accounts for 99.7% of the country's power generation. To address this issue, Palau invited Solar Pacific Energy Corporation (SPEC), Alternergy's solar developer, to develop a clean, renewable energy source.

What is the Palau solar battery project?

The Palau Solar Battery Project will be the largest such project in the Western Pacific. It will lessen Palau's imported fuel dependency, a major step towards its ambitious goal of 100%.

How will solar energy be produced in Palau?

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. Extensive safeguards to protect Palau's pristine environment SPEC did not leave any stone unturned to protect the pristine Palau ecosystem.

How many units of energy storage are in the Pala substation?

Chief Engineer	Existing Substation Energy Storage Projects	02 units (1 MW / 3 MWh)
installed and in production	2 Location	Size (kW/kWh)
Borrego Springs Microgrid	500/1500	Saft/Parker Hannifin
Shifting, VAr Dispatch, Island Support, PV Smoothing	Pala Substation	500/1500

Energy storage of the future Palau With a capacity of 15.3 MWp solar PV and 12.9 MWh BESS, the project supports Palau's goal of achieving a 45% renewable energy share by 2025. The ...

By: Eoghan Olkeriil Ngirudelsang (edited: 7/14/2025) KOROR, Palau (July 10, 2025) -- Australia has pledged \$16.4 million to support the next phase of Palau's transition to ...

The USD 29 million project, jointly owned by SPEC and its listed parent Alternergy, will meet more than 20% of Palau's energy needs. SPEC was awarded a long-term power ...

The Palau Renewable Energy Integration Project will address this technical challenge by investing in a staged introduction of network-wide equipment and settings ...

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Three new energy storage projects that prove the versatility and ... While most solar PV systems that are co-located with battery storage have in past been AC-coupled, requiring two separate ...

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The project will install a total of 15 megawatt hour battery energy storage system (BESS), which will enable the grid to increase the utilization of outputs from the solar ...

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