



The first batch of new energy solar sites in Oceania





Overview

A decade ago, Tokelau became the world's first territory to be powered by solar energy. Today, despite increased electricity demand and battery shortages, solar energy still supplies 75 percent of the total power on the three atolls, reducing diesel imports by 80 percent. Welcome to PF Nexus's comprehensive guide to the top solar developers in Oceania, where we spotlight the key players driving the region's energy transition. Oceania is experiencing a dynamic shift in its renewable energy landscape, with Australia and New Zealand at the forefront. Options include household photovoltaic (PV) systems and hydroelectricity on the hillier islands. However, Australia is still expected to. In 2024, renewables contributed to 59% of Oceania's overall power capacity. 1 MW with 158-meter rotor diameter, for the 256 MW Carmody's Hill Wind Farm in South Australia. The announcement was made on December 23, 2025. GE Vernova&a Queensland Hydro has obtained regulatory approval.



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Oceania Energy Transition

Technologies such as solar, wind, energy storage, EVs, SAFs, CCUS, and hydrogen will play a crucial role in allowing Oceania to reach its climate targets.

[List of Australia's Largest Solar Farms \(2025\)](#)

Discover Australia's largest solar projects in 2025. Explore details on capacity, locations, and developers.



[Top 10 Renewable Energy Investors in Oceania , PF ...](#)

Discover the current state of renewable energy investors in Oceania, learn about buying and selling renewable energy projects, and find financing ...

Oceania Energy

GE Vernova has signed an agreement with Aula Energy to supply 42 turbines, each rated at 6.1 MW with 158-meter rotor diameter, for the 256 MW Carmody's Hill Wind Farm in South Australia.

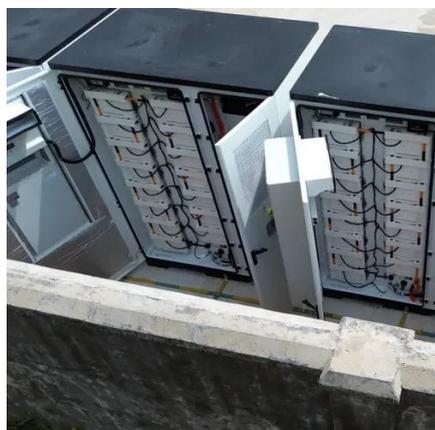


Is Oceania fully capitalising on its energy transition advantage?

For Oceania, it is clear it can generate its power chiefly from renewables due to its abundant solar resources, as well as its coastal wind potential. This is reflected in GlobalData's generation database, ...

[Oceania Energy Transition: Sectors and Companies Driving](#)

Assess the current regional emissions, thermal and renewable capacity, and generation share, and identify which countries are driving the energy transition in Oceania.



[Top 10 Renewable Energy Investors in Oceania , PF Nexus](#)

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Renewables 2023 Global Status



Report collection Renewables in ...

Rooftop solar PV installations in Oceania occurred mainly in Australia. By the end of 2022, an estimated 3.4 million homes across the country would have installed rooftop solar systems.



Renewable energy in Oceania

This article summarises the status of renewable energy in Oceania. The Pacific island nations are heavily dependent on costly fossil fuel imports, so they are turning, to varying degrees, to renewable energy. Options include household photovoltaic (PV) systems and hydroelectricity on the hillier islands.

[Pacific power officials discuss clean energy transition](#)

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