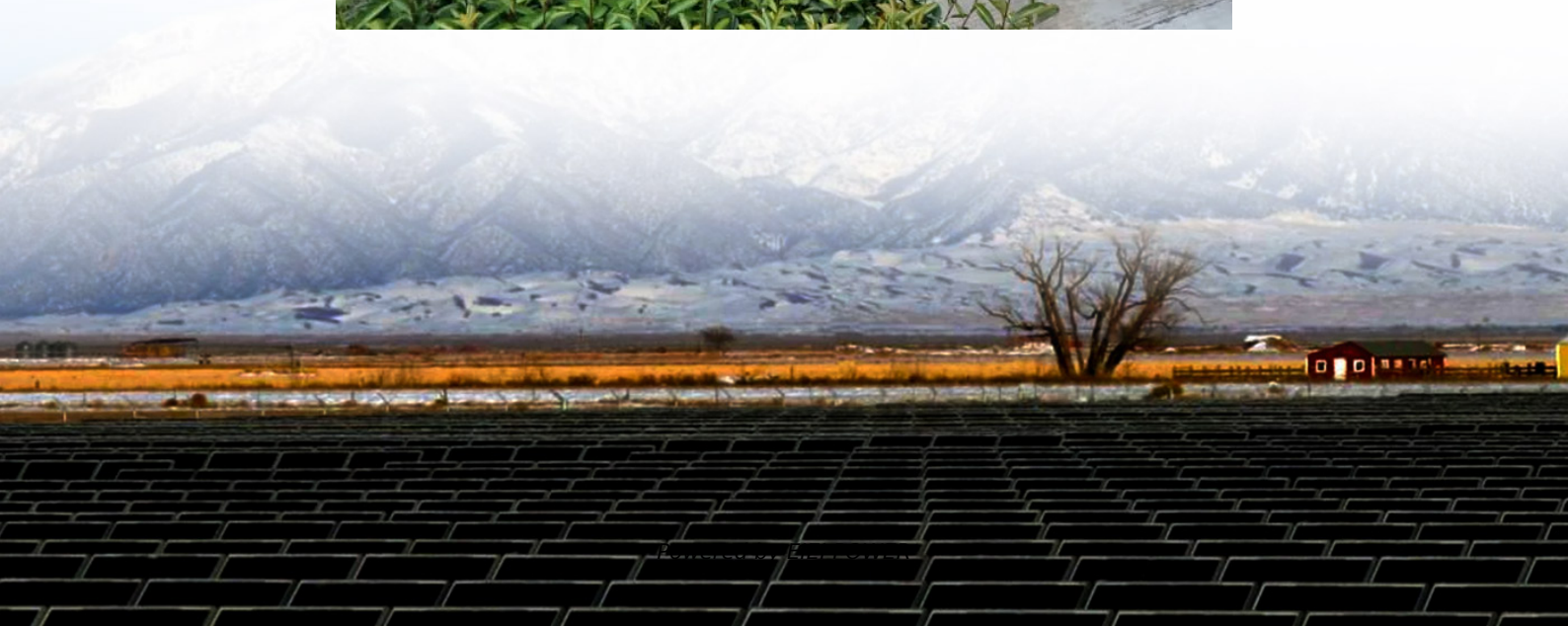


Solar panels on the island





Overview

Why do solar panels cause islanding?

Solar panels do not directly cause islanding. Instead, they can lead to the condition of islanding when they continue to feed the circuit with power even after power from the electric utility grid has been cut off. This term is used because solar panels are producing and distributing electrical power back into the utility grid.

Are solar panels a good investment for the Pacific Islands?

Today, they have an opportunity to harness these energies more efficiently than ever to help their societies become more resilient and prosper. The low cost of solar panels presents an opportunity for investing in solar energy across the Pacific Islands.

Can solar power be used in the Pacific region?

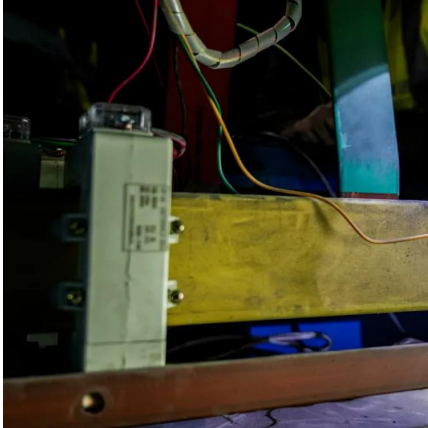
While solar power alone may not be able to fulfil all energy requirements in the Pacific region at this point, it can be supplemented by other renewable sources such as onshore wind and hydropower, depending on the unique circumstances of each island.

Can solar panels be used in Tokelau?

Solar Panels in Tokelau. Photo: UNDP/Andrea Egan During rough weather conditions, fossil fuel imports are often unable to reach the Pacific islands. Trees can fall and sever electric wires while floods can block roads and damage generators, leading to power outages.



Solar panels on the island

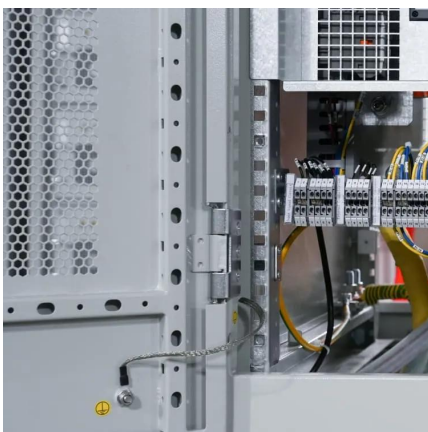


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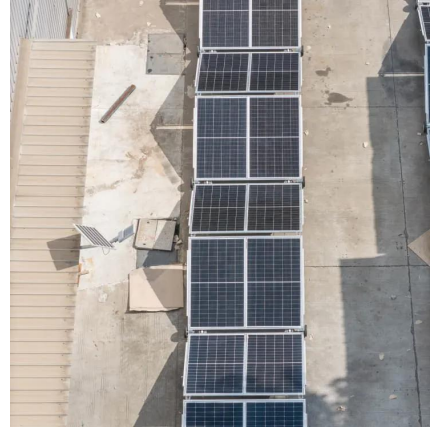


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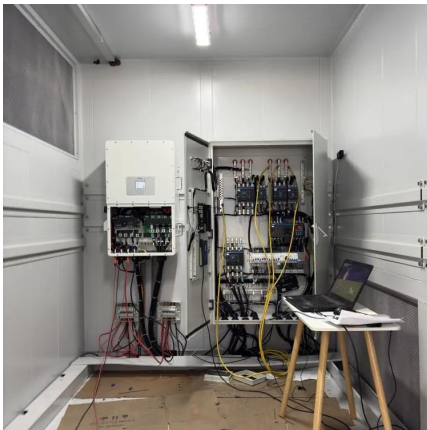
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