

Samoa Solar Rooftop Power Generation System





Overview

Why is Samoa launching a solar power project?

The project is part of Samoa's broader commitment to combat climate change and achieve energy independence. The new solar power project, developed with funding from international development partners including the Asian Development Bank (ADB), is expected to stabilise energy costs and increase energy security.

Does Samoa have a solar farm?

The Asian Development Bank (ADB) and Sun Pacific Energy Ltd (SPEL) have signed a US\$2.8 million (approximately AU\$4.3 million) loan to expand renewable energy generation in Samoa. The financing will upgrade and expand SPEL's Upolu Solar Farm—Samoa's first independent power producer (IPP)—by installing high-efficiency solar panels.

What is Samoa's Energy Initiative?

The initiative will involve the expansion of solar farms, battery storage systems, and energy efficiency programs to support domestic and commercial energy needs. Samoa currently relies heavily on imported diesel for electricity generation, making it vulnerable to fluctuating global oil prices.

How will Samoa's New solar farm work?

The financing will upgrade and expand SPEL's Upolu Solar Farm—Samoa's first independent power producer (IPP)—by installing high-efficiency solar panels. The expansion is expected to deliver 9.6 gigawatt-hours of clean energy annually and cut carbon dioxide emissions by a further 1,944 tonnes.



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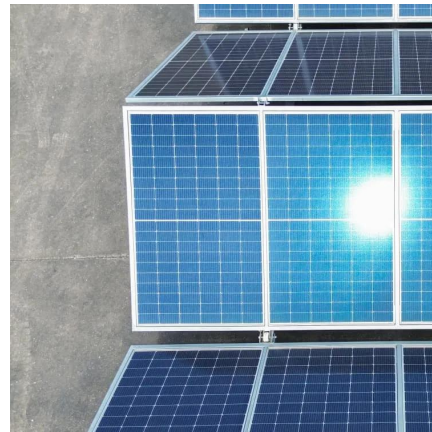


Solar Demand Study

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ENERGY PROFILE Samoa

Additional notes: Capacity per capita and public investments SDGs only apply to developing areas. Energy self-sufficiency has been defined as total primary energy production divided by ...



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Aug 25, 2025 · The project aims to boost renewable energy generation as Samoa faces growing electricity demand and power reliability challenges. The funds will help upgrade the Upolu ...

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[Report Unveils Growth Potential for Rooftop Solar in Samoa](#)

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