

# **Samoa energy storage solar power generation power**





## Overview

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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.

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.

What is Samoa's energy mandate?

The mandate also includes addressing critical environmental, social, and gender considerations to ensure the project's sustainability and inclusiveness. Samoa currently relies on imported fossil fuels for approximately 69% of its electricity generation, leaving the country vulnerable to volatile oil prices.

Why are Tesla specialists assisting Samoa's Electric Power Corporation engineers?

Tesla specialists are on the ground assisting Samoa's electric power corporation engineers to ensure its battery energy storage systems are operating to support Samoa's energy needs during the current power crisis.  
Image: Electric Power Corporation, Samoa



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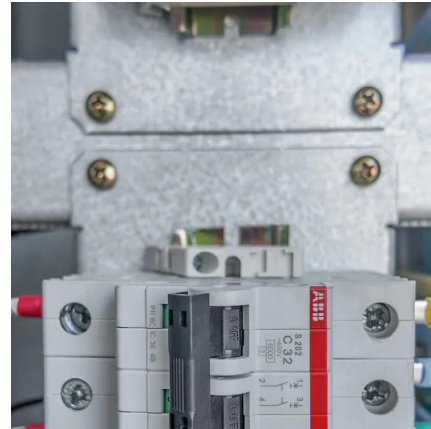
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This expansion added 5MW of upgraded solar capacity along with 2MW of energy storage batteries, making it the first integrated solar-storage power station in Samoa and the entire ...



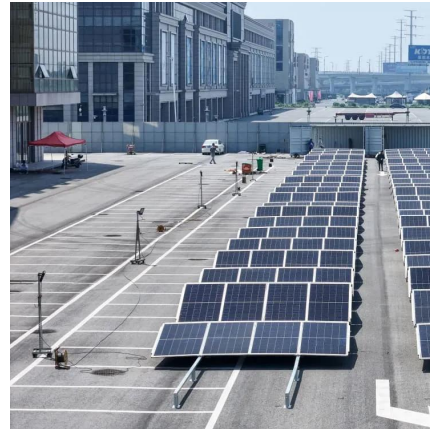
### [Samoa Electricity Generation Mix 2023 , Low-Carbon Power ...](#)

5 days ago · Suggestions To bolster Samoa's low-carbon electricity generation, expanding solar power could be highly effective given its significant existing contribution. Drawing on ...



### [ADB, Samoa Sign Landmark Agreement for Solar Power ...](#)

Dec 10, 2024 · ADB has signed a transaction advisory services agreement with Samoa's Electric Power Corporation (EPC) to support the development of a solar photovoltaic and battery ...

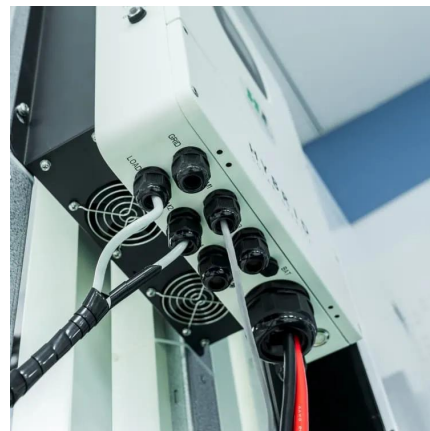


### [Samoa Boosts Solar Capacity with ADB-Backed Upgrade](#)

Aug 25, 2025 · Samoa boosts solar power with a \$2.8M ADB loan, increasing capacity by 50% using bifacial modules, cutting diesel imports, and stabilizing energy costs. Samoa is ...

### [American Samoa: Unlocking Renewable Energy Potential](#)

Jul 26, 2024 · The territory possesses substantial solar resources and wind and biomass resource potential. Planned renewable power projects include utility-scale solar photovoltaic (PV) and ...



### **Battery energy storage systems support Samoa's month-long power ...**

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