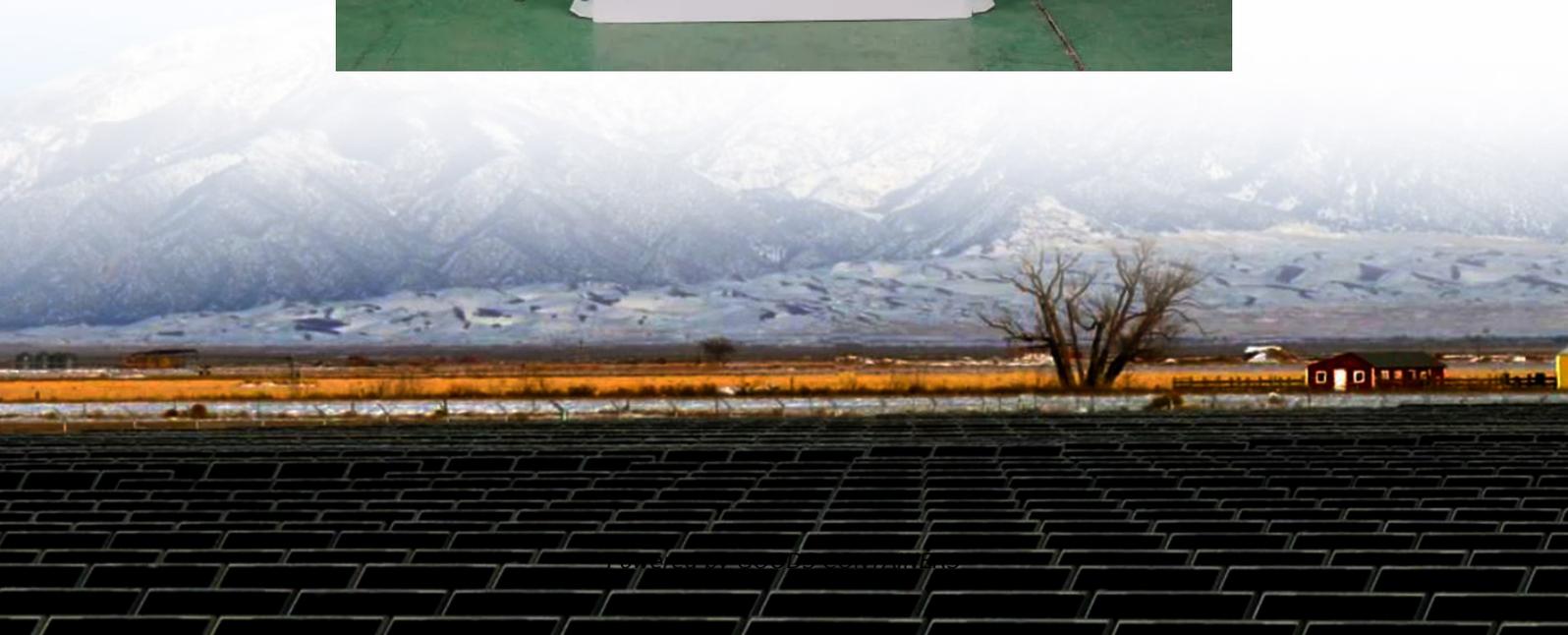


Samoa solar container outdoor power BESS





Overview

Does American Samoa need solar energy?

An isolated archipelago, American Samoa must generate all the electricity its community needs, striving for greater energy independence to ensure a more sustainable future. Positioned less than 1,000 miles south of the equator, American Samoa is uniquely positioned to harness its abundant solar energy resources.

How does Samoa's energy system work?

ed integration of innovative distributed energy solutions across its service territory. Currently, Samoa's energy portion of the tariff sees its highest cost kWhs coming from energy supplied through its diesel resources. The Samoan Government has an established goal of 70% renewable energy generation.

Why did the American Samoa power authority choose eastern power solutions?

The American Samoa Power Authority selected Eastern Power Solutions with the EVLO 1000 BESS to enhance the delivery of safe, reliable, and clean power to the local community. ASPA is a development-oriented public utility providing electricity, water, wastewater, and solid waste services to about 50,000 residents.

What is a solar project in Samoa & Tutuila?

The three projects, deployed on American Samoa islands of Tutuila and Aunu'u, will have installed capacities of 4 MW/8 MWh, 5 MW/10 MWh, and 1 MW/2 MWh. All three projects will support ramp rate control to smooth and limit fluctuations in solar photovoltaic (PV) power output, ensuring reliable renewable integration and grid stability.



Samoa solar container outdoor power BESS



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Apr 17, 2025 · EVLO and EPS commission solar-plus-storage systems to boost grid resilience in American Samoa, supporting ASPA's 2040 goal of 100% renewable energy.



[EVLO commissions first of three BESS projects in American Samoa](#)

Apr 22, 2025 · The 2-hour duration BESS marks the first of three projects that EVLO will be commissioning in the territory, in collaboration with solar energy service provider Eastern ...





[EVLO Energy Storage Completes First Battery Storage ...](#)

May 6, 2025 · The commissioning of this site illustrates the early achievements of our collaboration with EVLO and ASPA in solar and storage power generation projects." American ...



[EVLO completes commissioning of first of three energy ...](#)

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[Government of the Independent State of Samoa through ...](#)

Jul 12, 2024 · In an effort to achieve the renewable energy targets for Samoa, EPC seeks to implement two additional Solar & BESS Renewable Energy Generation Facilities (REGF's). n ...



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