

SolarInnovate Energy Solutions

Samoa Energy Storage Photovoltaic Energy Storage Enterprise



Overview

Why should American Samoa invest in solar energy?

Positioned less than 1,000 miles south of the equator, American Samoa is uniquely positioned to harness its abundant solar energy resources. BESS projects will be critical for American Samoa to achieve its renewable energy goals by maximizing solar utilization, reducing dependence on imported fuels, and ensuring a safe, reliable grid.

Who is evlo energy storage?

EVLO Energy Storage, a fully integrated battery energy storage systems (BESS) provider and wholly owned subsidiary of Hydro-Québec, on April 15 announced the company has completed commissioning of a 4-MW/8-MWh, 2-hour duration energy storage system, the first of three projects in American Samoa.

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.

Does American Samoa use fossil fuels?

ASPA is a development-oriented public utility providing electricity, water, wastewater, and solid waste services to about 50,000 residents. American Samoa uses imported fossil fuels for almost all of the territory's energy needs, including transportation, drinking and wastewater treatment, and most of its electric power generation.

How big is American Samoa?

American Samoa is the southernmost U.S. territory, comprising about 76 square miles across five islands and two coral atolls. An isolated archipelago, American Samoa must generate all the electricity its community needs, striving for greater energy independence to ensure a more sustainable future.

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EVLO Commissions First of Three Energy Storage Projects in American Samoa

Apr 15, 2025 · EVLO Energy Storage, a fully integrated battery energy storage systems (BESS) provider and wholly owned subsidiary of Hydro-Québec, on April 15 announced the company ...

EVLO Completes Commissioning of First of Three Energy Storage ...

Apr 17, 2025 · EVLO Completes Commissioning of First of Three Energy Storage Projects in American Samoa. Constructed by Eastern Power Solutions, the solar-plus-storage projects will ...



✓ IP45/IP55 OUTDOOR CABINET

✓ WATERPROOF OUTDOOR CABINET

✓ 42U/27U

✓ OUTDOOR BATTERY CABINET

Evlo deploys grid-scale batteries in two American Samoa islands - pv

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EVLO completes commissioning of first of three energy storage ...

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EVLO Commissions First of Three Energy Storage Projects in American Samoa

Apr 18, 2025 · EVLO Energy Storage, a fully integrated battery energy storage systems (BESS) provider and wholly owned subsidiary of Hydro-Québec, on April 15 announced the company ...

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