

## Kongres Container

# Samoa energy storage battery recommendation



## Overview

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System integrator EVLO Energy Storage (EVLO) has completed commissioning of a 4MW/8MWh battery energy storage system (BESS) in American Samoa. 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.

Enter the Samoa Energy Storage Power Station – the game-changing solution turning this Pacific paradise into a renewable energy trailblazer. This isn't just another battery project; it's a masterclass in how island nations can punch above their weight in the global energy transition [1] [2].

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 Tesla battery energy storage system (BESS).

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. In.

Samoa has a target of 70 per cent renewable energy use by the end of 2031, transitioning to a mix of solar, wind and hydropower augmented by battery storage. Context is crucial when considering what technologies are

appropriate for any given situation. “Currently we have Tesla Power packs, but we.

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

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.

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.

How has the power crisis impacted Samoa?

The crisis has led to up to 16 hours of daily power interruptions across Upolu requiring extensive power rationing coordinated by the Electric Power Corporation (EPC). Samoan Prime Minister Fiame Naomi Mata’afa said the economic impact of the crisis is estimated to cost up to 16% of Samoa’s GDP.

Are Tesla crews in Samoa working on a routine maintenance visit?

Local media reports say Tesla crews were in Samoa working on a routine maintenance visit but are now helping EPC with the maintenance of all EPC’s batteries, which store 6 MW of power sourced from a network of solar farms

owned by independent power providers (IPPs) and include the Tanugamanono, Fiaga, Tuanaimato, Salelologa and Faleolo solar farms.

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.

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