



**SolarTech Power Solutions**

# **Samoa solar Energy Storage Lithium Iron Phosphate Battery**



## Overview

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The first of the three planned energy storage projects is complete, enabling the island where it is based to integrate its solar energy production and enhance grid reliability. Hydro-Québec subsidiary Evlo Energy Storage Inc says it has commissioned the first of three planned grid-scale energy.

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.

Global demand for Li-ion batteries is expected to soar over the next decade, with the number of GWh required increasing from about 700 GWh in 2022 to around 4.7 TWh by 2030 (Exhibit 1). Batteries for mobility applications, such as electric vehicles (EVs), will account for the vast bulk of demand in.

In American Samoa, several lithium battery energy storage projects are being developed:EVLO Energy Storage has commissioned a 4-MW, 8-MWh energy storage system, which is the first of three planned projects in the region2.These projects aim to enhance the local grid's reliability and support energy.

Let's cut to the chase: if you're reading about the Samoa Phase III Energy Storage Project, you're either an energy nerd, a climate warrior, or someone who's tired of paying outrageous electricity bills. Maybe all three! This ambitious initiative isn't just about stacking batteries on a tropical.

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