



Will Tesla Solar power Ta'u in American Samoa?

Tesla has announced their solar panels are nearly entirely powering the island of Ta'u in American Samoa. The island used to depend entirely on imported diesel fuel for its electricity, but a new initiative has seen the islanders build a 1.4-megawatt microgrid that absorbs and stores solar power for all their energy needs.

How much solar power does American Samoa have?

In 2021, solar power accounted for about 11% of American Samoa's electricity generating capacity. American Samoa is less than 1,000 miles south of the equator and has abundant solar energy resources.

Does American Samoa have a solar microgrid?

The island of Ta'u in American Samoa now boasts a solar microgrid from Tesla's SolarCity. Join us in The People v. Climate Change and share an environmental portrait of someone taking positive steps to protect the Earth on YourShot or social media. Use #MyClimateAction to share a first-person perspective on how we as humans face climate change.

How does American Samoa generate electricity?

Some of its islands generate electricity from solar energy. 5,6 Pago Pago, one of the deepest natural harbors in the South Pacific, is among the territory's most important assets. It receives the imported petroleum products that American Samoa depends on to meet almost all of its energy needs. 7,8

Will a Tesla refuel a Samoan island?

It was funded by American Samoan and US authorities (including the Department of Interior), and Tesla says it will offset the island's use of more than 109,500 gallons of diesel per year, as well as the expense of shipping that fuel in.

MOBILE SOLAR GENERATOR SYSTEM AMERICAN SAMOA



The microgrid is intended to eliminate the island's reliance on costly diesel generators by providing 72 hours of full power from a solar array that recharges with seven hours of sunlight.



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The company deployed a 1.4-megawatt solar array and a 6-megawatt hour energy storage system with 60 Tesla Powerpacks. The system is what is called a microgrid and it's now the island's main

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Tesla completed its \$2.6 billion acquisition of SolarCity this week, and, to celebrate, the company has announced a major solar energy project: wiring up the whole island of Ta'u in American



The stability and affordability of power from the new Ta'u microgrid, operated by American Samoa Power Authority, provides energy independence for the nearly 600 residents of Ta'u. The battery system also allows the island to use stored solar energy at night, meaning renewable energy is available for use around the clock.



The island of Ta'u in American Samoa, more than 4,000 miles from the United States' West Coast, now hosts a solar power and battery storage-enabled microgrid that can supply nearly 100 per

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