



# American Samoa cost of solar and battery

How much does electricity cost in Samoa?

Average U.S. and American Samoa Electricity Prices (2022) ASPA rates are down slightly as of January 2024--approximately \$0.41/kWh for residential and commercial customers and \$0.38/kWh for industrial customers. ASPA's total energy rates include a renewable energy flat rate charged at \$0.002/kWh across all service types (ASPA 2024).

How much solar power does American Samoa have?

Of the 5 MW of ASPA's grid-connected solar PV capacity, 4.1 MW is utility scale and 900 kW is distributed across rooftops. American Samoa's smaller islands are moving toward a combination of solar, batteries, and diesel generators.

Does American Samoa have a geothermal energy plan?

The 2016 American Samoa Energy Action Plan identifies some geothermal resources, but none of these are viable for commercial electricity generation. The 2016 plan instead emphasizes the development of wind and solar power (Ness, Haase, and Conrad 2016). American Samoa is exploring opportunities for both offshore and onshore wind power generation.

Can solar power power the island of Ta'u?

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

Does American Samoa have energy issues?

Although energy burdens pose a real challenge in American Samoa, the territory is working to advance energy justice. For example, the Territorial Energy Office provides home energy efficiency programs to help reduce energy costs for low-income households.

Is American Samoa a renewable country?

American Samoa's energy sector relies almost entirely on imported fossil fuels, although renewables represent a small but growing power system contribution. The territory possesses substantial solar energy resources, as well as wind and biomass resource potential.

A small island in American Samoa is making the switch from diesel generators to 100 percent renewable energy. Ta'u, the easternmost of the Samoan islands, has just been equipped with a new ...

\$82,960 to help two American Samoa islands operate on 100% renewable energy. This grant funded the replacement of a diesel-powered stationary generator with a battery storage energy ...



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2 ???&#0183; "Instead of buying fossil fuels, American Samoa Power Authority will now be buying renewable energy, at about 50% less than the cost of diesel." Also in American Samoa, Mana ...

Solar Battery Costs. Solar battery costs depend on many factors, but are primarily influenced by a battery's capacity and chemistry. Typically the bigger or more advanced the battery, the higher the cost, though ...

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 ...

Now, the island runs on a completely renewable microgrid that meets 100% of residents' energy needs through solar power and battery storage. In 2016, the founders of Maui, Hawaii-based company Mana Pacific helped ...

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