

## European Solar and Energy Storage Solutions

# American Samoa sunculture solar



## Overview

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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.

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.

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.

What is American Samoa's energy policy?

American Samoa is committed to leveraging these and other federal funding opportunities to advance its energy goals and priorities moving forward. American Samoa's energy policy landscape constitutes a blend of multilateral agreements, strategic plans, rules, regulations, and dedicated offices.

What will American Samoa do with the data?

American Samoa plans to make these data available to the public, to students of the Finafinau Group (an island community-service project focused on environmental conservation and resilience), and to all other interested parties for science projects and related activities (American Samoa Governor's Office 2023a).

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### USDA invests \$35.5M in A. Samoa solar projects to deliver

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1 ??· Also in American Samoa, Mana Solar LLC plans to use a \$23.5 million investment to develop a 13.4-megawatt community solar and battery energy storage system. This will provide power to approximately 2,500 households on Tutuila Island, meeting nearly 12% of their energy needs with renewable energy. These projects will help the American Samoa

## SunCulture

Get to know SunCulture, a leader in solar irrigation pumps, committed to solving the daily challenges of smallholder farmers. Learn about our mission to empower sustainable farming with innovative off-grid solar technology, providing water, irrigation, lighting, and mobile charging solutions. Discover how our products can increase crop yields by 300% and reduce water

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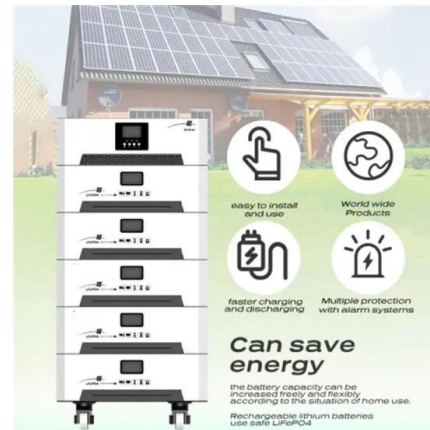
### International Solar Exhibition Kenya

Solar Africa 2025 offers potential, having the strongest sun resources in the world. Solar Exhibition Kenya will open opportunities to suppliers worldwide. SunCulture and Tupande partners to provide solar irrigation solutions to smallholder farmers in Kenya Thursday, 7th November 2024 read More. See More >> Expogroup.

## Island In American Samoa Fully Powered By Solar

Ta'u, a small island in American Samoa, now gathers enough solar energy for 24/7 power, thanks to a microgrid project completed in November with solar provider SolarCity and Tesla. The system, operated by American Samoa

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## SunCulture

Elevate your irrigation efficiency with the ClimateSmart(TM) Direct with RainMaker 2S. Perfect for farms under 1 acre, this solar water pump delivers a maximum head of 30m and a flow rate of 1.1m<sup>3</sup>/hour. Powered by a robust solar panel, it ensures sustainable water management. Optional addons include a single-panel solar stand. Invest in a reliable, eco-friendly solar irrigation ...

## Island In American Samoa Fully Powered By Solar

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## Tesla, SolarCity power entire island in America Samoa with solar ...

On the heels of shareholder approval of their

merger, Tesla and SolarCity are touting a microgrid on the island of T'au in American Samoa as the future of solar-plus-storage power generation.



## Ta'u: An Island Using 100% Renewable Energy

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 ...



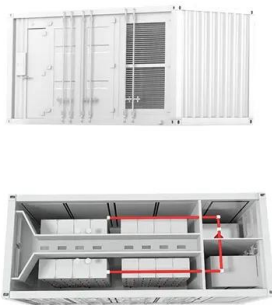
## Tau Island: From Diesel to 100% Solar Power

In the heart of the Pacific Ocean lies Tau Island, an idyllic retreat in American Samoa that has undergone a monumental transformation in pursuit of sustainability. Recently, Tau Island made headlines with the inauguration of a groundbreaking solar microgrid from Tesla's SolarCity -- a project that has propelled the island towards 100% solar

## SunCulture

Need SunCulture's services? Contact us easily via phone, email, or WhatsApp from Monday to Saturday. Visit us at No. 19 Kanjata Road, Muthangari Drive, Nairobi, Kenya. Learn more about our solar water pumps, drip irrigation solutions, and ClimateSmart + TV products. Call us toll-free at 0800 721 042 or use our USSD

code 38402# (Kenya). Join the solar irrigation revolution today!

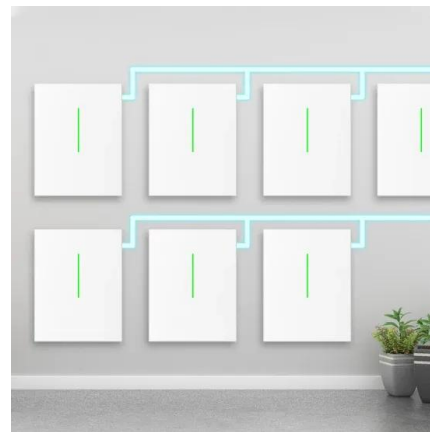


## Ta'u: An Island Using 100% Renewable Energy

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 design and implement Ta'u's solar-energy microgrid composed of over 5,300 solar panels.

## SunCulture

Discover SunCulture's efficient solar pumps. Empower your farm with SunCulture's innovative solar irrigation solutions. Discover our range of solar water pump irrigation products, including the ClimateSmart Battery with RainMaker 2 System, designed to boost crop yields and conserve water. Enjoy flexible payment plans, free delivery, installation, and ongoing support.



## SunCulture

Optimize your farm's irrigation with the ClimateSmart(TM) Direct from SunCulture. Designed for up to 1 acre, this efficient solar irrigation solution includes a submersible pump, 310W solar panel, and 50M HDPE pipe with necessary fittings. Enjoy flexible payment plans,



free installation, and comprehensive after-sales support, all backed by a 3-year warranty. Invest in a sustainable ...

## SunCulture Launches Solar-Powered Water Pump In Kenya

EXPOGROUP. Expogroup is a full service exhibition organiser with over eighteen years experience in International.Trade Exhibitions and Events. Our current portfolio includes 20 annual exhibitions from a diverse range of industries being held across the Middle East & Africa.



- IP65/IP55 OUTDOOR CABINET
- ALUMINUM
- OUTDOOR ENERGY STORAGE CABINET
- OUTDOOR MODULE CABINET

## Carbon

SunCulture so far works with over 40,000 farmers in Africa, most of whom will be beneficiaries of the carbon project. Our monitoring framework consists of a combination of technology platforms with telemetry data from IoT to monitor the solar irrigation functionality and gather data for emissions reduction reporting.



## SunCulture

Discover the top 5 benefits of using solar water pumps for irrigation. Solar-powered irrigation systems provide cost-effective, sustainable, and reliable water solutions for farmers. Learn how these pumps enhance crop yields, reduce environmental impact, and empower remote areas with consistent water supply. Embrace efficient and eco-friendly ...



## SunCulture

Have questions about SunCulture's solar irrigation solutions? Explore our comprehensive Help & FAQs section for answers on our RainMaker solar pumps, ClimateSmart systems, drip irrigation kits, and more. Discover product details, specifications, and benefits. Contact us at 0800 721 042 or [sales@sunculture.io](mailto:sales@sunculture.io) for further assistance. Get reliable and sustainable solar irrigation ...

## USDA Invests \$35.5M in American Samoa Solar Projects to ...

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## American Samoa: Unlocking Renewable Energy Potential

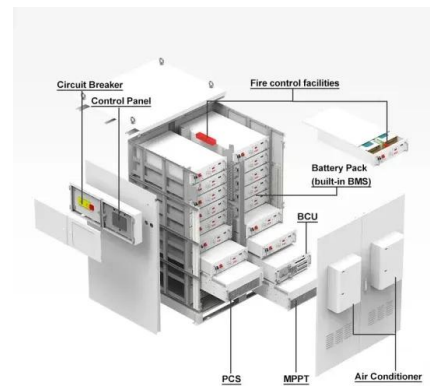
In 2022, the average electricity price for residential customers in American Samoa was



approximately 45 cents/kilowatt-hour (kWh)--almost three times the U.S. average of 15 cents/kWh. 2 Renewable energy represents a small but growing power system contribution, although American Samoa relies almost entirely

## SunCulture

Upgrade your farm's irrigation with the ClimateSmart(TM) Battery with RainMaker 2C, perfect for farms under 2 acres. This powerful system offers a maximum head of 20m and a flow rate of 3.0m<sup>3</sup>/hour, providing efficient and reliable water delivery. Enhance your setup with optional addons like a single-panel solar stand. Choose this sustainable, high-performance irrigation ...



## USDA Invests \$35.5M in American Samoa Solar Projects to Deliver

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## Wind and solar projects underway in American Samoa

One is a solar photovoltaic farm to be built near the Veterans Memorial Stadium in Tafuna and the other is a wind energy project in Aasu village. The contractor for the solar project, which has a price tag of \$US43m, is Canadian Solar/Recurrent Energy. It will generate 20 megawatts of electricity.

## Solar Panels Services

SunCulture Kenya shall be claiming carbon credits from the sale of SunCulture solar pumps (which includes Solar PV panels and pumps) used for irrigation in the various regions of Kenya. SunCulture shall claim the credits for sales made as of 1st August 2020. Get the SunCulture App !



## 2023-2024 Energy Baseline Report: American Samoa

further clean energy advancements in American Samoa. Goals and visions overlap between ASREC and American Samoa governmental entities, which can now work together to revisit pre-COVID objectives and missions in the energy sector.



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