# Martinique sesame solar mobile nanogrids

Does Sesame solar have a nanogrid?
"The treasure of essential services is inside," says Lauren Flanagan, Sesame Solar's CEO. The nanogrid can generate clean, off-grid power using solar energy and green hydrogen. It comes pre-fabricated to meet essential services and emergence response needs across a variety of scenarios, according to the startup.

How do Sesame nanogrids work?
Sesame's Nanogrids are also equipped with Atmospheric Water Generation,which allows them to autonomously generate the water needed to make green hydrogen gas to power the fuel cell--no supply chain required. The water is made from humidity in the air,then deionized.

Do Sesame solar nanogrids qualify for tax credits?
As part of the Inflation Reduction Act,Sesame Solar Nanogrids qualify for 30%tax credits and/or direct payments. If deployed in disadvantaged communities or tribal nations,tax credits and/or direct payments may increase up to 50%.

Does Sesame solar have an off-grid system?
By combining their technologies,they've come up with a system that ensures a steady supply of deionized water for green hydrogen production,advancing Sesame Solar's off-grid system,says Lauren Flanagan,Sesame Solar cofounder and CEO.

What is Sesame solar & Watergen?
Watergen CEO Steve Elbaz said in a statement: "Our collaboration with Sesame Solar is a game-changerwhich promotes sustainability in mobile and off-grid environments by providing a source of safe,clean water for both drinking and renewable energy production.

Can Sesame solar 'Open' Sesame?
In other words,it's almost as easy as saying "open sesame," or in this case,using a new device launched today by Sesame Solar,based in Jackson,Michigan. "The treasure of essential services is inside," says Lauren Flanagan,Sesame Solar's CEO. The nanogrid can generate clean,off-grid power using solar energy and green hydrogen.

Sesame Solar"s Mobile Nanogrids are renewable energy solutions that can be deployed quickly to provide power. They use solar power, green hydrogen, and battery storage. Clean Renewable Energy: The Nanogrids use a combination of solar power and green hydrogen to generate energy, aiming for zero greenhouse gas emissions.

Sesame Solar"s Co-founder and CEO Lauren Flanagan spoke at one of the press briefings at the 2023 Clinton

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Global Initiative in New York City in September 2023 about the company"s commitment to sending its Mobile Nanogrids to Ukraine. TIME"s Best Inventions for 2023. Read More.

Sesame Solar is here to help your community with off-grid power solutions for charging devices and medical equipment, access to communications, clean water, and medical and emergency services. Utilizing patented, retractable ...

" Flanagan said, saying that earlier versions made use of solar power and battery. The solar panels are retractable and are exposed by unfolding. A typical unit holds about 50 gallons of water. The solar energy powers electrolyzers in the nanogrids to produce hydrogen gas by decomposing water.

605 Followers, 222 Following, 212 Posts - Sesame Solar (@sesame.solar) on Instagram: "Decarbonizing disaster response and off-grid power with the world"s first 100% Renewable, Mobile Nanogrids. Set-up by 1 person in <15 minutes."

Join the growing Sesame Solar team and help make Mobile Nanogrids that solve big problems for big companies and government agencies, including solar and green hydrogen-powered Solutions for disaster/emergency preparedness and rapid response to extreme weather events (wildfires, earthquakes, tornadoes, hurricanes and storms) that can be setup by one person in less than ...

These units, which are the first of their kind, combine solar power, green hydrogen, and battery storage to provide resilient and sustainable energy solutions. Sesame Solar"s Renewable Mobile Nanogrids are portable, solar-powered energy stations designed to operate independently of compromised traditional energy sources during disasters.

Sesame Solar reports that the US Air Force, major telecommunication companies, and emergency response organizations are using its nanogrids, which have helped to keep critical communications online at the ...

Article published by Urgent Communications on how Sesame Solar is leveraging mobile solar and hydrogen to deliver electric power and published on July 1, 2022. TIME"s Best Inventions for 2023 ... Sesame Solar has been manufacturing solar-powered nanogrids for some time that have been used by numerous high-profile entities including Comcast and ...

Depending on the model, Sesame Solar Nanogrids can produce between 3 - 20 kW of solar power, with a total battery storage of 15 - 150 kWh and back fuel cell power of 2 - 8 kW and/or wind power of 1 -2 kW. Sesame Solar Solutions are engineered to meet peak and average use and provide uninterrupted, sustainable power.

The Sesame Solar Nanogrids consist of a retractable solar array that provides the energy to charge the battery storage system and to produce green hydrogen via electrolysers. Sesame Solar renewable energy Nanogrids could be customised to provide mobile power used for disaster response, power outages, communication

centres and more.

US-based Sesame Solar has created a mobile unit of solar nanogrids to power communities for weeks after a disaster. The nanogrids come in shipping containers or mobile trailers, making them extremely easy to transport. Once ...

Source: Sesame Solar. Sesame Solar introduced mobile and renewable energy-powered nanogrids for use in providing electricity and powering critical network infrastructure in disaster scenarios like ...

A Nanogrid from Sesame Solar deployed on the island of Dominica following Hurricane Maria in 2017. ? Sesame"s Nanogrids can be customized depending on a customer"s needs. They can be built as a medical ...

Sesame Solar has teamed up with Israel-based Watergen, which makes atmospheric water generators that pull H2O from humidity in the air, to come up with a system that ensures a steady supply of deionized water for green hydrogen production. ... Sesame Solar"s mobile nanogrids have been used in recovery efforts during Hurricane Ian in 2022, Ida ...

At Michigan-based start-up Sesame Solar, the potential to use mobile "nanogrids" in a crisis serves as the foundation of a business - one that"s been steadily expanding. Founded in 2017, the nanogrid manufacturer has picked up a diverse ...

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