

## European Solar and Energy Storage Solutions

# Antora battery Sint Maarten



**1075KWHH ESS**



## Overview

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What is Antora thermal battery?

Antora's thermal battery turns cheap, clean energy into the standard that powers global industry. Charges with surplus clean electricity to deliver cost-effective, zero-emission energy at a predictable price. Multi-day storage delivers always-on heat and power for industrial operations where downtime is not an option.

Is Antora a lithium ion battery?

Antora's battery is 3x energy dense compared to lithium-ion batteries. Antora's first commercial-scale thermal battery at Wellhead Electric Company in Fresno, California reached the highest temperature achieved to date for a thermal battery at full scale—1,800°C.

What is Antora energy?

Antora Energy is unlocking zero-emissions industrial heat and power, cheaper than fossil fuels. Antora's thermal battery uses renewable electricity to heat blocks of solid carbon—a low-cost, earth-abundant, and safe storage medium that's used extensively across industries—to glowing-hot temperatures.

How will Antora's batteries impact the energy industry?

Traditionally, fossil fuels have been the cheapest way to power industry, making it the largest greenhouse gas-emitting sector in the country. With Antora's batteries, factories could run on low-cost renewable energy 24/7 without relying on cost-prohibitive, critical material intensive lithium-ion batteries.

When will Antora batteries be made?

Manufacturing will kick off in 2024, and large-scale deployment of Antora's batteries will begin in 2025. Antora's project has received \$7.9 million in ARPA-E support and the company has raised a total of \$230 million in funding from

Decarbonization Partners, Breakthrough Energy Ventures, Lowercarbon Capital, and other investors.

Can Antora batteries withstand high temperatures?

Solid carbon can withstand extremely high temperatures, meaning Antora's carbon block-based batteries can supply heat at temperatures high enough to calcinate limestone or melt steel. Traditionally, fossil fuels have been the cheapest way to power industry, making it the largest greenhouse gas-emitting sector in the country.

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### Antora Energy , arpa- e.energy.gov

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### EV charging stations in Sint Maarten

Find electric car charge points in Sint Maarten or nearby. Navigate the map to find a charger near your destination and filter the list to your preferred speed. Charging stations for EV in Sint Maarten. De Peperbus 2 - GreenFlux; Eikenlaantje 2 - GreenFlux; Valkkogerweg 7 - GreenFlux



### NEW Solid State Thermal Battery Antora Energy

justin@antora.energy Solid State Thermal Battery Antora Energy The Antora Energy team will develop a thermal energy storage system that contains thermal energy in inexpensive carbon blocks. To charge the battery, power from the grid will heat the blocks to temperatures exceeding 2000 °C. To discharge, the hot blocks are exposed to

## Power Outages

Install carbon monoxide detectors with battery backup in central locations on every level of your home. Sint Maarten. Opening Hours: Mon - Fri: 8:00 am - 5:00 pm. Directions: GPS Directions. Phone: +1 721-542-0349 +1 721-542-2236 +1 721-542-2908 +1 721-542-4292 +1 721-542-5694.

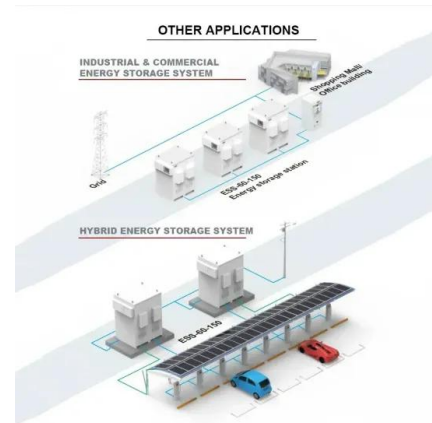


## Antora Energy , arpa-e.energy.gov

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## Antora Energy: Thermal Batteries Revolutionizing ...

Antora's thermal battery can store 15 megawatt hours in the footprint of a shipping container--that's 5 times more than a Lithium-ion battery. Antora's thermal batteries take excess solar and wind energy not needed for ...



## ARPA-E Disruptors: Antora Energy

Antora's thermal battery stores energy in carbon blocks to heat and power industry without emissions. Innovation Antora Energy developed a revolutionary way to decarbonize heavy industry using thermal batteries that are 3x more energy dense than lithium-ion batteries. Antora's battery stores energy in a stack of commercially

available carbon blocks ...

## Antora: Thinking Inside the Box for the Future of Energy Storage

Seeking long-term, scalable alternatives has long been at the forefront for firms, including Antora Energy. The California-based startup aims to solve this problem by employing thermal battery techniques to harness and store energy for ...



## Antora Energy , arpa-e.energy.gov

Antora's thermal battery uses renewable electricity to heat blocks of solid carbon--a low-cost, earth-abundant, and safe storage medium that's used extensively across industries--to glowing-hot temperatures. The stored heat is ...

## Motorworld Auto Parts , Motorworld Group St. Maarten / St.

Cole Bay, St. Maarten +1 (721) 544-5294  
info@motorworldgroupsm . Motorworld (French Side) #223 Galisbay Marigot, St. Martin +011 (590) 590 52 88 01 Battery built to last and comes with 3 years warranty. Oil filter help prevent engine wear high-quality steel case. Fuel filter, provides maximum dirt removal.



## Location

On the island, Dock Maarten Marina is a 10 minute walk from the Boardwalk in Philipsburg



where you can find plenty of shops and bars/restaurants 20-30 minute drive to Princess Juliana International Airport 15-20 minute drive to the Simpson Bay strip #1 Battery Point Dr. Great Bay, Philipsburg. Sint Maarten, 0000 . Coordinates. Latitude: 18.017988

## Antora - Technology

Antora's thermal battery stores energy as heat in blocks of solid carbon--one of the most trusted industrial materials on earth--to power global industry. Explore. Proven. Trusted material with centuries of industrial use in high-temperature environments Superior Performance.



## Antora Energy: Thermal Batteries Revolutionizing Industrial

Antora's thermal battery can store 15 megawatt hours in the footprint of a shipping container--that's 5 times more than a Lithium-ion battery. Antora's thermal batteries take excess solar and wind energy not needed for the grid, and use it to heat blocks of carbon until they're glowing hot -- think of the glow from your toaster when

## Thermal energy storage startup Antora raises US\$150

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US\$150 million has been raised in a Series B by Antora Energy, a US-based startup with a novel

'thermal battery' technology claimed to be suitable for decarbonising industrial processes. The company's product ...



## Thermal energy storage startup Antora raises US\$150 million for

US\$150 million has been raised in a Series B by Antora Energy, a US-based startup with a novel 'thermal battery' technology claimed to be suitable for decarbonising industrial processes. The company's product delivers heat stored in blocks of carbon material, but it can also deliver electrical power using a patented 'thermophotovoltaic

## MIT alumnus' thermal battery helps industry eliminate fossil fuels

Antora Energy has developed a low-cost, highly efficient thermal battery that stores electricity produced by wind and solar generators as heat, allowing manufacturers and other energy-hungry businesses to eliminate their use of fossil fuels. Above: Antora installs its first commercial-scale unit at an industrial site near Fresno, California.



## ARPA-E Disruptors: Antora Energy

Antora Energy developed a revolutionary way to



decarbonize heavy industry using thermal batteries that are 3x more energy dense than lithium-ion batteries. Antora's battery stores energy in a stack of commercially available carbon blocks in an insulated box. These blocks are heated until they glow like a toaster.

## Antora - Antora Energy Raises \$150 Million to Slash Industrial

To learn more about Antora Energy, visit and follow the company on LinkedIn and Twitter. About Antora Energy . Antora Energy is unlocking zero-emissions industrial heat and power, cheaper than fossil fuels. Antora's thermal batteries convert low-cost, intermittent renewable electricity into reliable industrial energy.



## BlackRock, Temasek-led group invest \$150 mln in thermal battery ...

Thermal battery maker Antora Energy on Thursday said it has raised \$150 million in a funding round led by a tie-up between the world's biggest asset manager BlackRock and Singapore state

## Antora - Insights

Antora's Thermal Battery Named One of TIME's Best Inventions 10.24.23 Press -- Reuters  
02.22.24 BlackRock, Temasek-led Group Invest \$150M in Thermal Battery Maker Antora 02.22.24

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