

Natron battery





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Natron Collaborates with Clarios on World's First Mass ...

Natron has spent 10 years perfecting sodium-ion battery chemistry for mass manufacturing, and in 2021 released the world's first UL listed sodium-ion battery product.

Natron and Arxada Announce World's First Large-Scale ...

Santa Clara, CA, US and Basel, Switzerland - October 18, 2022 - Natron Energy, Inc. ("Natron"), the global leader in manufacturing of sodium-ion batteries, and Arxada AG ("Arxada"), a global leader in innovative specialty chemicals, today announce the successful initiation of the large-scale production of battery-grade Prussian blue at Arxada's facility in Visp, ...



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LOGO



[BlueRack\(TM\) 250 Battery Cabinet](#)

Please note that Natron makes batteries for industrial applications only. We have not designed, nor do we have UL certification for individual batteries for consumer use or for DIY purposes. We do not sell batteries direct to consumers for any purposes including residential solar power systems, residential grid use, marine or automotive use, nor for commercial solar power systems.

Natron Energy opens new sodium-ion battery facility in West ...

Natron Energy's new plant in Holland, MI



represents an epochal milestone for the battery industry. For the first time, an all-new sodium-ion chemistry has been Mon, 04 Nov 2024 14:08:37 GMT



Natron Energy to build \$1.4B sodium-ion battery plant in North ...

Natron Energy and North Carolina officials stand on the Kingsboro business park lot in Rocky Mount, North Carolina. Natron plans to invest nearly \$1.4 billion in a sodium-ion battery factory in the state. Courtesy of Business Wire.

Natron Energy starts commercial-scale sodium-ion manufacturing

Natron's current listed products are the 48V-480V BluePack, its 25kW-MW+ BlueRack Battery Cabinet and the BueTray 4000 rack-mounted battery pack. We asked the firm how its products are priced relative to lithium-ion, the most commonly deployed battery chemistry for large-scale ESS applications.



Natron Energy Announces Plans for \$1.4 Billion Giga-Scale ...

Edgecombe County, NC facility to produce 24 GW of Natron's revolutionary sodium-ion batteries annually, representing a 40x scale-up of current production capacity Natron to invest nearly \$1.4





Sustainable Batteries

From sourcing through disposal, Natron sodium-ion batteries set the new standard for life cycle sustainability and decarbonization. While many other batteries rely on cobalt, lithium, nickel, and zinc, all of which are already in short supply with demand expected to triple, our sustainable batteries are made from minerals that are easily, safely, and ethically sourced.



World's First Mass-Scale Sodium-Ion Battery Plant to Debut in

Natron has spent 10 years perfecting sodium-ion battery chemistry for mass manufacturing, and in 2021 released the world's first UL listed sodium-ion battery product. Since then, the company says, a number of Fortune 500 companies -- primarily in the telecom industry or reliant on data centers -- have validated its work through independent testing and real-world ...

BlueTray(TM) 4000

The Benefits of Blue. The sodium-ion cells in Natron's unique battery chemistry are based on Prussian blue electrodes, which means they're non-flammable, highly efficient and deliver significantly more life cycles than lead-acid or lithium-ion options. The BlueTray



Sodium-Ion Battery Technology

Battery Chemistry Comparison Industrial power utilizes decades old, environmentally hazardous battery technology. Natron's revolutionary sodium-ion battery technology leverages Prussian Blue electrode materials to deliver a high power, high cycle life, completely fire safe battery solution that's created sustainably with abundantly available elements.



Natron Energy announces plans for first US sodium-ion battery

Natron Energy, Inc., a global leader in sodium-ion battery technology, has unveiled plans to construct the first sodium-ion battery gigafactory in the United States, with a total investment of approximately US \$1.4 billion. This ambitious project, set to be located in Edgecombe County, North Carolina, aims to produce 24 gigawatts (GW) of Natron's pioneering ...

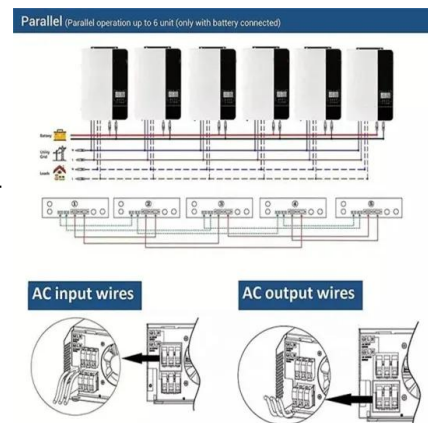


Natron begins commercial-scale operations at sodium-ion battery ...

Natron Energy has begun commercial-scale operations at its sodium-ion battery manufacturing facility in Holland, Michigan. Natron's milestone marks the first commercial-scale production of sodium-ion batteries in the US. These batteries offer higher power density, higher cycles, a domestic US supply chain, and unique safety characteristics over other battery ...

Natron Energy Introduces Blue Rack(TM) Sodium-Ion ...

Twice as powerful as lithium-ion batteries. Round-trip efficiency >97% Over 50,000 deep discharge cycles. Full recharge in 15 minutes or less. Ready immediately; no settling or thermal waiting



Natron Collaborates with Clarios on World's First Mass ...

Natron has spent 10 years perfecting sodium-ion battery chemistry for mass manufacturing, and in 2021 released the world's first UL listed sodium-ion battery product. Multiple fortune 500 companies have validated Natron's technology



through independent testing and real-world deployments.



Resource Library

Read more Natron Energy resources, including white papers, technical documentation, and partner information. Natron Energy makes sodium-ion batteries strictly for commercial and industrial use. If you're a business or supplier that has an inquiry, feedback or an



Sodium-ion batteries could boost US energy independence - Natron

Natron's sodium-ion batteries do not rely on copper, nickel or cobalt, facilitating US energy independence. Datacenters and microgrids are large markets for Natron's sodium-ion batteries. Government funding boosted interest from venture capital in the project

Sodium-Ion Batteries Poised to Pick Off Large-Scale ...

Natron also announced in December 2023 that it would be deploying its batteries in fast-charging EV stations in 2024. Both announcements confirm that sodium-ion batteries are finding a natural home in scenarios that ...





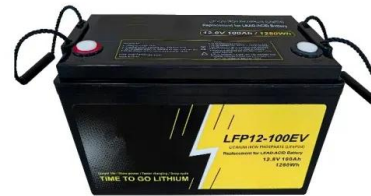
Natron Energy starts up US sodium-ion battery plant

The start-up Natron Energy has commissioned a sodium-ion battery plant in Holland, Michigan, with a capacity for 600 MW of batteries per year. The facility was originally built by Clarios to



Lithium-free sodium batteries exit the lab and enter ...

Natron Energy fell a little behind schedule on production plans for its sodium batteries but officially commenced production of the rapid-charging, long-life lithium-free batteries this week



Defense & Military Battery Solutions , Natron Energy

Natron batteries are non-flammable, operate in a wider range of temperatures, and offer a level of performance other defense and military battery options simply can't match. As our safety videos demonstrate, a Natron battery cell can even be shot by a gun, penetrated by a drill bit or hole saw, or even be cut in half and there is no safety risk whatsoever.

Natron Energy Achieves First-Ever Commercial-Scale Production ...

Natron Energy celebrated the opening of its sodium-ion battery manufacturing facility in Holland, Michigan with an opening ceremony and ribbon-cutting event featuring remarks from Holland ...





Natron Energy Achieves First-Ever Commercial-Scale ...

Natron Energy, Inc. ("Natron" or "the Company"), the global leader in sodium-ion battery technology, today announced the commencement of commercial-scale Holland, MI facility scales up

Natron Energy Announces Plans for \$1.4 Billion Giga-Scale ...

SANTA CLARA, Calif., August 15, 2024--Natron Energy, Inc. ("Natron" or "the Company"), a global leader in sodium-ion battery technology, today announced plans to build the first sodium-ion battery



[Prussian Blue Sodium-Ion Batteries](#)

At the device level, the result is that Natron's sodium-ion batteries avoid the limitations other technologies suffer in charge and discharge rates, cycle life, heat generation, and safety. For example, a Natron battery can be fully recharged from 0% to 100% state of

Our Chemistry

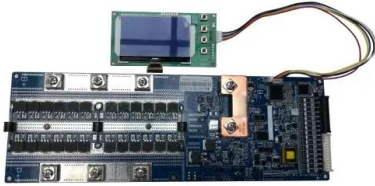
While battery technology containing sodium has been around for over a century, Natron Energy is the first to truly unlock the benefits of sodium-ion batteries with the use of a family of electrodes known as Prussian blue.





Natron to kick off mass-production of long-life sodium ...

Natron's sodium-ion batteries have an enormous cycle life, practical power density, excellent safety and super-fast charging, without using any lithium. Through a partnership



Natron Energy Begins Sodium-Ion Battery Production ...

Natron Energy, a pioneer in Sodium-ion Battery technology, has officially commenced commercial-scale operations at its state-of-the-art facility in Holland, Michigan. Sodium-ion batteries offer several advantages over ...



Natron and Arxada Announce World's First Large-Scale ...

Natron's battery grade Prussian blue material can be manufactured at high volume and low cost in existing fine chemicals plants. Natron batteries do not require mined ore or rare minerals

Products

Natron Energy batteries and systems outperform lithium-ion and lead acid batteries in power density, recharging speed, and expected lifecycle thanks to our unique sodium-ion battery technology. Turning Chemistry into Currents. Unlike other sodium-ion battery





Sodium Battery Manufacturer in the U.S. , Natron Energy

Learn about the only sodium-ion battery manufacturer with operations based entirely in the U.S. Natron Energy makes sodium-ion batteries strictly for commercial and industrial use. If you're a business or supplier that has an ...



Sodium-Ion Battery Technology

Natron's revolutionary sodium-ion battery technology leverages Prussian Blue electrode materials to deliver a high power, high cycle life, completely fire safe battery solution that's created sustainably with abundantly available elements.



Natron Energy starts manufacturing '50,000+ cycle-life' sodium ...

That is why it has given its production capacity as MW power figure and not the MWh capacity that battery manufacturers typically do, as it is primarily targeting power-intensive applications, a spokesperson said. The Michigan facility was originally a lithium-ion factory belonging to technology firm Clarion but Natron Energy has refitted the site to manufacture its ...

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