



# Natron energy

Who is Natron Energy?

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 gigafactory in the United States.

Is Natron Energy a good battery?

Natron Energy's sodium-based battery offers clear advantages over lithium-ion and other battery chemistries. It's a mix of safety, performance, and sustainability that's transforming the world of industrial power. Plug in to Better Performance.

Where are Natron batteries made?

The facility will be located in Edgecombe County, NC, and is expected to produce 24GW of Natron's revolutionary sodium-ion batteries annually at full capacity. Natron's sodium-ion batteries offer higher power density, more cycles, a domestic U.S. supply chain, and unique safety characteristics over other battery technologies.

Will Natron build the first sodium-ion battery Gigafactory in the United States?

SANTA CLARA, Calif., August 15, 2024 -- (BUSINESS WIRE) -- 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 gigafactory in the United States.

Is Natron a leader of the next battery Revolution?

"This facility advances Natron Energy's position as the leader of the next battery revolution," said Wendell Brooks, co-CEO, Natron Energy. "Once operational, the Edgecombe County facility will accelerate Natron's growth trajectory, allowing us to capitalize on the growing demand for efficient, safe, and reliable sodium-ion battery energy storage."

What does Natron do?

Natron's mission is to transform critical power, industrial and grid energy storage markets by providing customers with batteries that offer higher power density, faster recharge, and a significantly longer cycle life than incumbent technologies.

Battery Performance on a Different Level. Our batteries have a maximum sustained power-per-energy up to four times higher than lithium-ion and more than five times higher than lead acid batteries.. Our batteries deploy their energy load immediately with no settling or thermal waiting.. In addition, Natron sodium-ion batteries deliver up to 10 times as many deep discharges as ...

Natron Energy makes sodium-ion batteries strictly for commercial and industrial use. If you're a business or





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for a wide variety of industrial power applications ranging from critical backup power systems to EV fast charging and behind-the-meter applications. Natron's mission is to transform industrial and grid energy storage markets by ...

Natron Energy was founded in 2012 with a singular mission: to change the way the world's biggest electricity customers use the power that drives their businesses. Based in Santa Clara, California, Natron has commercialized the world's first sodium-ion battery based on Prussian blue electrodes. For this project, Natron has partnered with a ...

Natron Energy, founded in 2012 with headquarters in Santa Clara, California, is a pioneer in the research, development, and manufacture of sodium-ion batteries (NIBs). Natron's innovative battery cells leverage the company's patented Prussian blue electrodes to deliver safe, high-power, long-life battery energy storage solutions.

The Natron factory in Michigan, which formerly hosted lithium-ion production lines. Image: Businesswire. Natron Energy has started commercial-scale operations at its sodium-ion battery manufacturing plant in Michigan, US, and elaborated on how its technology compares to lithium-ion in answers provided to Energy-Storage.news.. At full capacity the facility will ...

Natron Energy produces sodium-ion batteries that offer higher power, faster recharge, longer life-cycle, and zero lithium, cobalt, nickel. The company opened its first commercial-scale facility in ...

(Source: Natron Energy) "Natron sodium ions are smaller than the Prussian Blue structures which hold them, making thermal runaway impossible," the company said. Thermal runaway, a rapid rise in the battery cell temperature that leads to fires, is slower with sodium-ion than lithium-ion batteries.

Natron Energy produces sodium-ion batteries with higher power, faster recharge, longer life-cycle, and zero lithium, cobalt, nickel. The company opened its first commercial-scale facility in Holland, MI in 2024 to serve data ...

Natron Energy's advanced sodium-ion battery technology is one of these solutions. This white paper explains the chemistry behind Natron's Prussian blue-powered sodium-ion battery technology and how it differs from - and solves many of ...

Natron Energy Natron has gone into partnership with Clarios International to bring these sodium-ion batteries to mass production beginning in 2023 at the Clarios Meadowbrook facility in Michigan.

Natron Energy is a privately held company that produces sodium-ion batteries based on a unique Prussian blue electrode chemistry. It has locations in California and Michigan, and partners with leading investors and customers in ...



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Natron Energy manufactures sodium-ion battery products based on a unique and patented Prussian blue electrode chemistry for a wide variety of industrial power applications ranging from critical ...

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Natron Energy invested over \$40 million to upgrade the existing infrastructure, transforming it from a Lithium-ion production facility. The total investment for this futuristic plant now stands at \$300 million. Additionally, the project received a \$19.8 million boost from the ARPA-E's SCALEUP program.

Furthermore, Natron Energy's more than \$40M investment in upgrading the manufacturing facility and converting existing lithium-ion battery lines to sodium-ion production underscores a commitment to innovation and sustainability. The support from Advanced Research Projects Agency-Energy (ARPA-E), through programs like SCALEUP, highlights the ...

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