



# Sodium battery enterprises put into production

Natron's Holland facility began production of the company's sodium-ion batteries this week. // Photo courtesy of Natron. California-based Natron Energy Inc., a global developer of sodium-ion battery technology, began commercial-scale operations on April 29 at its manufacturing facility in Holland, west of Grand Rapids.

SANTA CLARA, Calif., April 29, 2024--Natron Energy, Inc. ("Natron" or "the Company"), the global leader in sodium-ion battery technology, today announced the commencement of commercial-scale ...

Scientists have created an anode-free sodium solid-state battery. This brings the reality of inexpensive, fast-charging, high-capacity batteries for electric vehicles and grid storage closer than ...

However, CATL, the world's biggest lithium-ion battery manufacturer, announced in 2022 the start of mass production of SIBs. In ... they invested \$1.4B USD into the construction of a sodium-ion battery plant in Xuzhou with an annual output of 30 GWh. ... In 2023, HiNa partnered with JAC as the first company to put a sodium-ion battery in an ...

The 10 MWh sodium ion battery energy storage station features 210 Ah sodium ion battery cells that can be charged to 90% in 12 minutes, according to the company. The system consists of 22,000 cells.

CATL, ranking as the third largest sodium-ion battery producer in China, is poised to unveil its dedicated mass production line for sodium-ion batteries with a capacity of 1.8GWh by the conclusion of 2023, contributing significantly with 13.3% of the ...

Sodium is similar to lithium in some ways, and cells made with the material can reach similar voltages to lithium-ion cells (meaning the chemical reactions that power the battery will be nearly as ...

China's state-owned power generation enterprise Datang Group said on June 30 that it had connected to the grid a 50 MW/100 MWh project in Qianjiang, Hubei Province, making it the world's ...

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.

BYD plans to progressively integrate Na-ion batteries into all its models below USD 29 000 as battery production ramps up. These announcements suggest that electric vehicles powered by Na-ion will be available for sale and driven for the first time in 2023-2024, hence bringing the technology to a readiness level (TRL 3 ) of 8-9, between first ...

On May 11, China debuted its pioneering venture into large-scale sodium-ion battery technology with the



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inauguration of 10-MWh-sodium-ion battery energy storage station (BESS) in Nanning, Guangxi, in southwest China. ... Automotive Design & Production, and Smart Manufacturing. Before all of that, he taught English and literature ...

BYD's battery unit, FinDreams, and Huaihai inked a strategic cooperation agreement in June at BYD's Shenzhen headquarters. This collaboration marks BYD's initial foray into manufacturing sodium-ion batteries. It aims to leverage Huaihai's market resources and production experience while FinDreams will contribute its products and ...

Founded in 2022, Paragonage is a high-tech enterprise focusing on the R & D, production and sales of sodium-ion batteries and module. The company's sodium-ion battery system has a complete layout of models, and has designed and developed products with different application directions, such as high energy density, long cycle, high power, etc., covering ...

In two years, China will have nearly 95 percent of the world's capacity to make sodium batteries. Lithium battery production will still dwarf sodium battery output at that point, Benchmark ...

remanufacturing pilot enterprise, Volkswagen group and China faw group a joint venture to manufacture powertrain base-Volkswagen faw engine (dalian) company powertrain manufacturing project again in dalian and put into production, the initial investment of RMB 100 million, will start again from the engine manufacturing, the future will gearbox ...

They installed 220 GW of Solar power last year, which is 70GW more than Canada's entire energy generating capacity lol Feels like we were talking about using the new sodium ion batteries for stationary storage just like 2 months ago when CATL started rolling them out and suddenly they got shit that takes 10 years minimum to put up (sodium ion storage ...

BYD & Huaihai invest in a joint venture to lead sodium-ion battery production for compact EVs, aiming for a 30 GWh annual output in China. ... BYD & Huaihai's Strategic Move into Sodium-Ion Battery ...

CATL's lithium-ion battery capacity in 2021 was 170.39 GWh, and the lithium-ion battery production lines that have been completed and put into operation will have a combined design annual ...

Here Comes The New Sodium-Ion Battery From Natron. In the latest sodium-ion battery news, on April 29, the US startup Natron Energy staked out its claim to the first commercial-scale production of ...

Stockholm, Sweden - Northvolt today announced a state-of-the-art sodium-ion battery, developed for the expansion of cost-efficient and sustainable energy storage systems worldwide. The cell has been validated for a ...



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In China, the big players are turning to sodium-ion battery technology one after the other: CATL, for example, is also planning to produce sodium-ion cells. The same goes for the Chinese startup Zoolnasm. A few months ago, the first two small electric cars with sodium-ion batteries went into production in China. These are two small car models.

The first sodium-ion battery plant in the U.S. started operations Monday, offering an alternative to lithium-based storage that currently dominates the market.

Production will eventually scale to 600 megawatts annually of sodium batteries slated for grid storage. The plant will "position the company to lead the next battery revolution," Natron's co ...

Recently, it was learned from China Southern Power Grid Company that Fulin Sodium-Ion Battery Energy Storage Station, China's first large-scale sodium-ion battery energy storage f

The state utility says the 10 MWh sodium-ion battery energy storage station uses 210 Ah sodium-ion battery cells that charge to 90% in a mindblowing 12 minutes. The system comprises 22,000 cells.

Natron has invested over \$40 million to upgrade the \$300 million facility and convert existing lithium-ion battery manufacturing lines to sodium-ion battery production.

The first phase of the world's largest sodium-ion battery energy storage system (BESS), in China, has come online. The first 50MW/100MWh portion of the project in Qianjiang, Hubei province has been completed and put into operation, state-owned media outlet Yicai Global and technology provider HiNa Battery said this week.

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