



Spain lina battery

What is a Lina battery?

Whilst conventional batteries use a liquid electrolyte, LiNa's solid state ceramic electrolyte reduces ionic resistance and removes unproductive mass: unlocking a two-fold performance improvement in energy densities versus alternatives.

Where are Lina batteries made?

LiNa's sodium batteries are manufactured from abundant raw materials such as food-grade salt and iron. In December 2023, LiNa Energy said it would be using a manufacturing solution being developed by the Italian automation specialist Comau, part of the Stellantis Group.

What is Lina energy doing with a patented battery?

In December 2023, LiNa Energy said it would be using a manufacturing solution being developed by the Italian automation specialist Comau, part of the Stellantis Group. LiNa intends to use this to significantly increase the production capacity of its patented battery cells to make large-scale manufacturing possible.

Does Lina energy have a lithium-free energy storage system?

LANCASTER, England, Nov. 16, 2022 /PRNewswire/-- LiNa Energy passed a key milestone after it successfully completed an independent demonstration of its lithium-free energy storage systems (made up of its sodium batteries) with commercial partner Ion Ventures.

Is Lina a solid-state battery company?

LiNa also secured an advanced commitment for future funding. The company is focused on solid-state sodium batteries primarily for stationary storage purposes. LiNa's sodium batteries are manufactured from abundant raw materials such as food-grade salt and iron.

How do Lina batteries work?

LiNa batteries are constructed without lithium or cobalt. On charge, sodium ions from the sodium-metal-chloride cathode are reduced to sodium metal and travel through the solid-state ceramic electrolyte to the anode compartment, forming an interconnected backbone conductor.

On July 8, local time, AESC held a groundbreaking ceremony for its battery super factory in Navalmora de La Mata, Spain. Spanish Prime Minister Pedro Sánchez, AESC Chairman Zhang Lei, and AESC ...

Electronics Production | December 10, 2024 Stellantis and CATL to build EUR4.1B battery plant in Spain
Stellantis and CATL say that the companies will invest up to EUR 4.1 billion to form a joint venture to build a large-scale European lithium iron phosphate (LFP) battery plant in Zaragoza, Spain.

The projects will be built in Castilla y León, Extremadura, Castilla La Mancha and Andalusia, and each



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battery will have 25 MW of power and a capacity of 50 MWh. In Castilla y León, a battery will be installed in Revilla Vallejera (Burgos), where Iberdrola España completed its first hybrid wind-solar plant in Spain in 2023.

Battery Cells: The company produces battery cells with a planar design and an ultra-thin solid ceramic electrolyte, based on sodium-metal-chloride chemistry. **Energy Storage Systems:** LiNa Energy offers energy storage systems with ...

Stellantis and CATL have announced plans to jointly build a 4.1 billion euro (\$4.3 billion) lithium iron phosphate battery plant in Spain.

Earlier this month, COBRA achieved a major breakthrough for automotive batteries. Led by partner IREC, the consortium successfully developed Spain's first cobalt-free lithium-ion battery. The new cobalt-free lithium battery prototype is currently in the pre-commercial phase and rated between levels 5 and 6 on the Technology Readiness Level (TRL) scale.

A JOINT venture will see EUR4.1 billion spent on a new electric car battery factory in Zaragoza with an opening date of late 2026. Stellantis and Chinese battery maker CATL say the plant would ...

ion Ventures, the modern utility and energy storage infrastructure specialist, and LiNa Energy, the solid-state battery technology developer, concluded their first successful trial of LiNa's proprietary solid-state ...

LiNa Energy is a developer and provider of low-cost solid state sodium batteries, with a focus on the renewable energy storage market. LiNa Energy was created as a spin-out of Lancaster University, where the founders Dr Gene Lewis and ...

LiNa batteries offer higher energy density, lower cost, and better temperature resilience than lithium-ion batteries, making them a more economic choice for longer-duration (>4 hrs) energy storage in key solar growth markets.

The trial saw a 1kW/ 1kWh LiNa system perform Dynamic Containment, validating that it can sustain rapid injection and absorption of power to maintain the National Grid's frequency, which is a key...

Dan Taylor, Co-founder of ion Ventures, said "This is a huge milestone for our partner LiNa Energy as the battery demonstrated its clear capability in responding to DC signals at the independent test centre. This ...

Stellantis and CATL (Contemporary Amperex Technology Co., Ltd.) announced they have reached an agreement to invest up to EUR4.1 billion to form a joint venture that will build a large-scale ...

Our latest battery energy storage system just got a major upgrade. The LiNa Engineers have slashed the size by 50% while maintaining the same 10kWh capacity. As solar energy deployment expands globally, we're ...

Hyundai Mobis has started construction of a plant in Spain for the production of battery systems for the Volkswagen Group. The plant in Navarra is scheduled to go into operation in 2026 and will supply up to 360,000 battery systems per year for the Volkswagen Group's future small electric cars, which will be manufactured at the factory in Pamplona, 14 kilometres away.

Stellantis and CATL have agreed on a joint venture to build a lithium iron phosphate (LFP) battery plant in Zaragoza, Spain. According to the company, the site will be located close to Stellantis' manufacturing facility. Four-billion-euro investment.

Stellantis and CATL to Invest Up to EUR4.1 Billion in Joint Venture for Large-Scale LFP Battery Plant in Spain Joint venture to build an all-new lithium iron phosphate (LFP) battery plant at ...

LiNa Energy has developed low-cost solid state sodium batteries, with a focus on meeting the growing need for longer durations of stationary energy storage beyond four hours. LiNa's sodium batteries are ...

MADRID (Reuters) -Stellantis and Chinese battery maker CATL will invest 4.1 billion euros (\$4.33 billion) to build one of Europe's largest electric vehicle battery factories in Spain, encouraged ...

LiNa's battery cells are the building block of LiNa Energy's battery platform. The cells utilise proven Sodium-Metal-Chloride chemistry in a breakthrough planar design made possible by ...

The Spanish government has unveiled a EUR1.12bn (£964m) package of financial support to boost green energy initiatives, including the use of renewables and battery storage in homes and businesses, as parliament approved a landmark climate change law.

Last week, the Spanish government approved the energy storage strategy, targeting some 20 GW of storage capacity in 2030 and reaching 30 GW by 2050 from today's 8.3 GW. In this storage strategy, Spain quantified its storage needs in line with its decarbonisation targets established in the national energy and climate plan (NECP), which sets [...]

LiNa intends to use this to significantly increase the production capacity of its patented battery cells to make large-scale manufacturing possible. Will Tope, CEO, LiNa Energy said: "Over the past 12 months we have seen surging demand for longer-duration storage systems and alternatives to lithium-ion, and this is only going to increase further.

Renault's two battery assembly lines, in Villamuriel de Cerrato (Palencia) and Valladolid, will receive aid of 1.7 million, with the bankable budget amounting to 8.5 million euros for each of the projects. Other big international ...

Stellantis partners with CATL to build a EUR4.1B carbon-neutral LFP battery plant in Zaragoza, Spain, by

late 2026. The plant will support Stellantis' Dare Forward 2030 strategy, producing ...

Dan Taylor, co-founder of Ion Ventures, said "This is a huge milestone for our partner LiNa Energy as the battery demonstrated its clear capability in responding to Dynamic Containment signals at ...

We are a technological centre specialized in surface processing and finishing through wet chemical and electrochemical methods providing surface solutions throughout the entire value chain for the automotive, space and extreme environments sectors among others.

Heat, hope, and a lot of hard work: LiNa's 2023 in review. Back to news. by Will Tope. COP28, and the arid, glittering plains of the United Arab Emirates was a strange -- but strangely fitting -- place for me to end 2023. ... But our product goes beyond the battery cells. This year, the engineering team built the system to efficiently keep ...

Spain and the Netherlands have launched subsidy schemes to support domestic manufacturing of clean energy technologies, including batteries and solar PV modules. The moves come at a time when both sectors in Europe appear to be under threat from lower prices from China, as well as the US which has brought in generous tax credit incentives for ...

LiNa Energy is a developer and provider of low-cost solid state sodium batteries, with a focus on the renewable energy storage market. LiNa Energy was created as a spin-out of Lancaster University ...

LiNa Energy, a spin-off from Lancaster University working on solid-state battery technology, has closed a £3.5m funding round. The company wants to use the fresh ...

Part of the appeal for LiNa's technology is that their battery cells are ideally suited to static-energy storage applications, in combination with solar in very hot climates. The sodium-based batteries are designed to work efficiently at the ...

Car giant Stellantis and Chinese electric battery manufacturer CATL announced on Tuesday that they are going to build a major battery factory in Zaragoza, in northern Spain. In a joint statement, they said the plant will start producing lithium iron phosphate (LFP) batteries by the end of 2026. LFP batteries are cheaper to produce but less powerful ...

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