

Sodium ion energy storage project



Overview

The EU-funded SPRINT project is set to revolutionize the stationary energy storage sector by advancing sodium-ion battery technology, providing a cost-effective and sustainable alternative to lithium-based solutions. Powering Europe with safe, efficient, and sustainable sodium-ion battery technology. SPRINT (Sustainable European sodium-ion batteries for stationary applications featuring improved PProcesses, Inherently safe and Non-Toxic materials) unites 18 partners across Europe to. The main mission for EPISODE is to develop a non-lithium battery technology based on abundant available low-cost materials, with attractive energy density and power metrics (close to that of LFP-based Li-ion batteries counterparts), that are durable (> 15 years and > 5,000 cycles), have a high. US car maker joins battery energy storage system (BESS) market with lithium-ion products expected to enter production imminently through LG partnership. Announces sodium-ion R&D program and plan to ramp up bidirectional capability for GM vehicles. Over the next 46 months, a consortium of eight industries, two SMEs, and eight.



Article Content

Lithium Prices Surge Amid Strong Demand Forecasts, Could Reach

Lithium prices surge as EV and energy storage demand rises, tightening supply & fueling a market rebound with high stakes for stakeholders.

Battery energy storage system

Battery energy storage system Tehachapi Energy Storage Project, Tehachapi, California A battery energy storage system (BESS), battery storage power

EPISODE - European Produced Sustainable Sodium

As part of the "EPISODE" project, battery cells and battery storage systems based on sodium-ion cells are being developed in an innovative European value chain

General Motors to build sodium-ion batteries for grid-scale storage

US car maker joins battery energy storage system (BESS) market with lithium-ion products expected to enter production imminently through LG partnership. Announces sodium-ion R&D

CATL and HyperStrong Sign the World's Largest Sodium-Ion Energy Storage ...

As CATL's first strategic partner for sodium-ion energy storage, HyperStrong will work closely with CATL in areas including technology R&D, product applications, and project deployment.

Hina Battery Unveils Massive Sodium-Ion Energy

This project opened on June 30, 2024, with battery cells supplied by Zhongke Haina, making it the largest sodium-ion battery energy storage system

Alsym and Juniper to deploy 500 MWh of sodium-ion battery storage

Strategic agreement will see California-based renewables developer ramp up sodium-ion battery deployment. Deal follows Alsym Energy entering 8.5 GWh partnership with iron flow battery

TOB NEW ENERGY Publishes Sodium-Ion Cathode Research in

We welcome global battery material enterprises, energy storage developers and research institutes for further technical exchange & customized equipment cooperation on sodium-ion industrialization!

Sodium-ion batteries hit the Midwestern grid in first-of

RWE and Peak Energy will pilot sodium-ion grid batteries in Wisconsin - the first deployment on the MISO grid.

Home Sustainable sodium-ion battery technology

A video interview with ATENA+ coordinator Alberto Blázquez from CIDETEC Energy Storage, explaining how the project is developing a European

Sodium-ion technology: the future of energy storage

Sodium-ion technology offers a promising, competitive alternative to commercial lithium-ion batteries for various applications. Sodium-ion batteries offer advantages in terms of sustainability as well as

GM Sodium-Ion Battery Plans Target U.S. Energy Storage

General Motors is investing in sodium-ion battery technology through a partnership with Peak Energy, aiming to support future U.S. energy storage projects alongside its broader battery

Sodium-Ion Batteries Have Landed In America. Now Comes The Hard

An American company has started deploying grid-scale sodium-ion batteries in the country, but can it truly compete with existing tech?

Types of Battery Energy Storage Systems (BESS) | ACE Battery

Different types of Battery Energy Storage Systems (BESS) includes lithium-ion, lead-acid, flow, sodium-ion, zinc-air, nickel-cadmium and solid-state batteries. As the world shifts towards

CyberGrid | SPRINT | EU project | Sodium-ion batteries

The EU-funded SPRINT project is set to revolutionize the stationary energy storage sector by advancing sodium-ion battery technology, providing a cost-effective and sustainable

European Produced sustainable SODium-ion battEries for ...

The main mission for EPISODE is to develop a non-lithium battery technology based on abundant available low-cost materials, with attractive energy density and power metrics (close to that

Sustainable European sodium-ion batteries for stationary ...

The EU-funded SPRINT project will optimise and demonstrate two safe, sustainable, and cost-effective quasi-solid-state sodium-ion batteries tailored for stationary applications.

PhD Opportunity in France Passionate about battery materials ...

Here's an exciting chance to join a cutting-edge PhD project on "Mineral-inspired electrode materials for sodium-ion batteries" at the renowned CRISMAT Laboratory, ENSICAEN & CNRS,

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Phenogy launches Europe's largest sodium-ion battery

Swiss energy storage company Phenogy AG has commissioned the first large-scale battery energy storage system (BESS) based on sodium-ion

CATL's sodium-ion storage systems set for first customer deliveries

CATL says it will begin customer deliveries of its first sodium-ion energy storage systems in September.

Peak Energy, Phenogy deploy sodium-ion BESS projects in US and

Peak Energy, a US-based company developing low-cost, giga-scale energy storage technology for the grid, today announced the deployment and operation of its passively cooled

sprint-he | SPRINT will develop and demonstrate safe and

Bringing together 18 partners (8 industry, 2 SMEs and 8 academic partners) from 11 European countries, SPRINT is an ambitious 46-month project that aims to revolutionise the stationary energy storage

Phd Position In Sodium-Ion Batteries At University Of Antwerp

The ELCAT research group at the University of Antwerp seeks a motivated PhD candidate to work on sodium-ion batteries for sustainable energy storage. The project focuses on designing,

Contact Us

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