

New sodium-ion battery and energy storage project



Overview

Germany is stepping up its efforts in energy storage innovation with the launch of the “SIB:DE FORSCHUNG” project, a collaborative initiative designed to fast-track the industrialization of sodium-ion battery technology. CATL introduced its Naxtra line of batteries earlier in 2025 and has now announced plans for volume production of sodium-ion batteries this year, with integration into production electric vehicles by July. Battery technology is strategic for the world's largest battery companies. Yet beneath the optimism, the path to large-scale adoption remains uneven.

New sodium-ion battery and energy storage project



Sodium-ion batteries: 10 Breakthrough Technologies 2026

Storing clean energy generated by solar and wind has long been a challenge. Sodium-ion batteries, with their low cost, enhanced thermal stability, and long cycle life, are an attractive

Scientists create new solid-state sodium-ion battery -- they say it'll

Researchers made the breakthrough while developing solid-state sodium-ion (Na-ion) batteries, which could one day supplement and replace the lithium-ion (Li-ion) batteries used in many



Advancements in sodium-ion batteries technology: A comprehensive ...

Sodium-ion batteries (SIBs) have emerged as a promising alternative to lithium-ion batteries (LIBs) due to the abundance, cost-effectiveness, and environmental benefits of sodium ...

Cheaper than lithium, just as powerful -- Sodium batteries are finally

The researchers developed a sodium-based solid-state battery that performs reliably from room temperature to below freezing, setting a new benchmark for the field.



Sodium-Ion Batteries Will Gain Ground This 2026 , IMI

Suited for stationary energy storage applications Sodium-ion batteries are poised to replace lead-acid cells in combustion engines and support stationary energy storage, where safety and cost ...

Why Sodium-Ion Batteries Are Happening Now

While some applications like energy storage have switched to LFP, until now sodium-ion batteries have not been produced at the same volume levels. The question is, why?



Peak Energy Deploys First Large-Scale Sodium-Ion Battery in U.S.



The successful operation of the U.S.'s first grid-scale Sodium-ion Battery system positions Peak Energy as a pivotal player in the energy storage industry. With its cost-effective and ...

The US's first grid-scale sodium-ion battery is now online

Peak Energy's sodium-ion phosphate pyrophosphate (NFPP) battery storage system was unveiled in July and is now running at the Solar Technology Acceleration Center (SolarTac) in ...



New solid-state sodium battery design could replace lithium in EVs

Researchers in Canada have just unveiled a new solid-state sodium battery design that could potentially lead to cheaper, safer, and more sustainable energy storage systems.

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

Under its agreement with Texas-based energy provider Jupiter Power, Peak Energy will provide 4.75 gigawatt-hours of sodium-ion battery energy storage systems (ESS) for deployment between



Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://59empagm.pl>

