

Sodium energy storage Thailand

Could a sodium-ion battery be a new business opportunity in Thailand?

The Federation of Thai Industries' Renewable Energy Industry Club sees potential in sodium-ion battery (SIB) production as an alternative to lithium-ion batteries. SIBs, made from rock salt, could offer a new business opportunity given Thailand's abundant rock salt reserves.

Are sodium-ion batteries environmentally friendly?

Prototype sodium-ion batteries developed by Khon Kaen University as an environmentally friendly alternative to lithium-ion ones. (Photo: Chakkrapan Natanri) Khon Kaen University (KKU) on Tuesday introduced a prototype of a sodium-ion battery, an environmentally friendly alternative to a lithium-ion battery.

Could rock salt be a new business opportunity for Thailand?

SIBs, made from rock salt, could offer a new business opportunity given Thailand's abundant rock salt reserves. Veeradej Tejapaibul, the vice-chairman of the club, suggested that government support for rock salt exploration could attract investment in SIB manufacturing.

Does Thailand have a lithium-sodium resource?

According to the Department of Primary Industries and Mines, Thailand has discovered lithium resources exceeding 14.8 million tonnes, ranking the country third globally in lithium reserves, after Bolivia and Argentina. This discovery of potential lithium-sodium deposits is both good news and beneficial for Thailand's electric automotive industry.

Can a sodium ion battery be made from rock salt?

According to the research team, a sodium-ion battery, produced from rock salt, is cheaper to manufacture, safer to use, and quicker to charge than a normal lithium-ion battery. The university believes there are tremendous investment opportunities for producing the battery, Mr Charnchai said.

Will a sodium ion battery replace a lithium-ion?

“The battery also exhibits Thailand's potential in the industry's competition,” Mr Charnchai said. Teerawut Thunnukij, a representative of the DPIM director-general, said that the department supported the research in the hope that the sodium-ion battery will one day replace the lithium-ion battery.

With the continuous development of sodium-based energy storage technologies, sodium batteries can be employed for off-grid residential or industrial storage, backup power supplies for ...

December 22, 2022: Fluence Energy said on December 14 it would work with the state-owned Electricity Generating Authority of Thailand (EGAT) to develop the country's battery storage market. The companies have signed a memorandum ...



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Sungrow is also supplier of BESS equipment to a Thai solar-plus-storage plant which will host Southeast Asia's biggest battery system so far, at 45MW/136.24MWh. Thailand's government is targeting 37% renewable ...

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The Sodium-ion battery is one of alternative batteries used for various energy storage applications in Thailand, presenting enormous opportunities for manufacturing technology and solution ...

Khon Kaen University (KKU) has teamed up with Infineon Technologies (Thailand) Ltd. to host a groundbreaking seminar on "Sodium-Ion Battery Technology and Innovation: The Future of Energy Storage," held on August 6, ...

At Sodium Energy, we're proud to introduce our groundbreaking sodium ion batteries - the latest innovation in home electricity storage. Our batteries are not just a product; they're a commitment to a safer, more sustainable future. ...

Electric vehicles (EVs) with sodium-ion batteries have been launched in China, but Peak Energy appears to be focusing primarily on the grid-scale stationary energy storage system (ESS) market. It said the "high cost ...

The Department of Primary Industries and Mines funded the research in the hopes that sodium-ion batteries would eventually take the place of lithium-ion batteries, said Mr. Teerawut ...

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