

Sodium ion battery storage project financing options in Singapore 2026

Could sodium-ion batteries make energy storage systems more cost-effective?

PHOTO: BT FILE THE Energy Market Authority (EMA) has awarded a total of S\$7.8 million to two companies to explore solutions that could make energy storage systems (ESS) more cost-effective and space-saving. One of the research and development (R&D) projects involves the use of sodium-ion batteries by battery manufacturer Posh Electric.

Can a sodium ion battery be a cheaper alternative?

Posh Electric to test sodium-ion batteries as cheaper alternative. VFlowTech to study underground energy storage systems. Singapore's push for better energy storage takes a big leap with new grants for innovative solutions. Energy Storage Systems (ESS) are devices that store energy for use later.

How much EMA grant for sodium-ion battery & underground storage research in Singapore?

On 23 Oct 2024, Singapore announced S\$7.8M EMA Grant for Sodium-ion Battery and Underground Storage research in Singapore. Image Source: Artist Impression (Image for illustration purposes only)

Can a sodium-ion battery manage electricity demand in Singapore?

It could also manage changes in electricity demand by storing electricity during off-peak periods, and releasing it during times of peak demand. The trial will collect fire safety data as part of its evaluation of how sodium-ion batteries perform in the Singapore climate. Such batteries have not yet been deployed in Singapore.

Can sodium-ion batteries manage solar intermittency?

One of the research and development (R&D) projects involves the use of sodium-ion batteries by battery manufacturer Posh Electric. The company aims to test a 1 megawatt-hour ESS made out of sodium-ion batteries to manage solar intermittency.

What are energy storage systems (ESS) and sodium-ion batteries (sibs)?

Energy Storage Systems (ESS) are devices that store energy for use later. Sodium-ion batteries (SIBs) are batteries that use sodium instead of lithium. Grid resilience means the power system can handle and recover from problems quickly. On 23 October 2024, the Energy Market Authority (EMA) of Singapore made a big announcement.



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