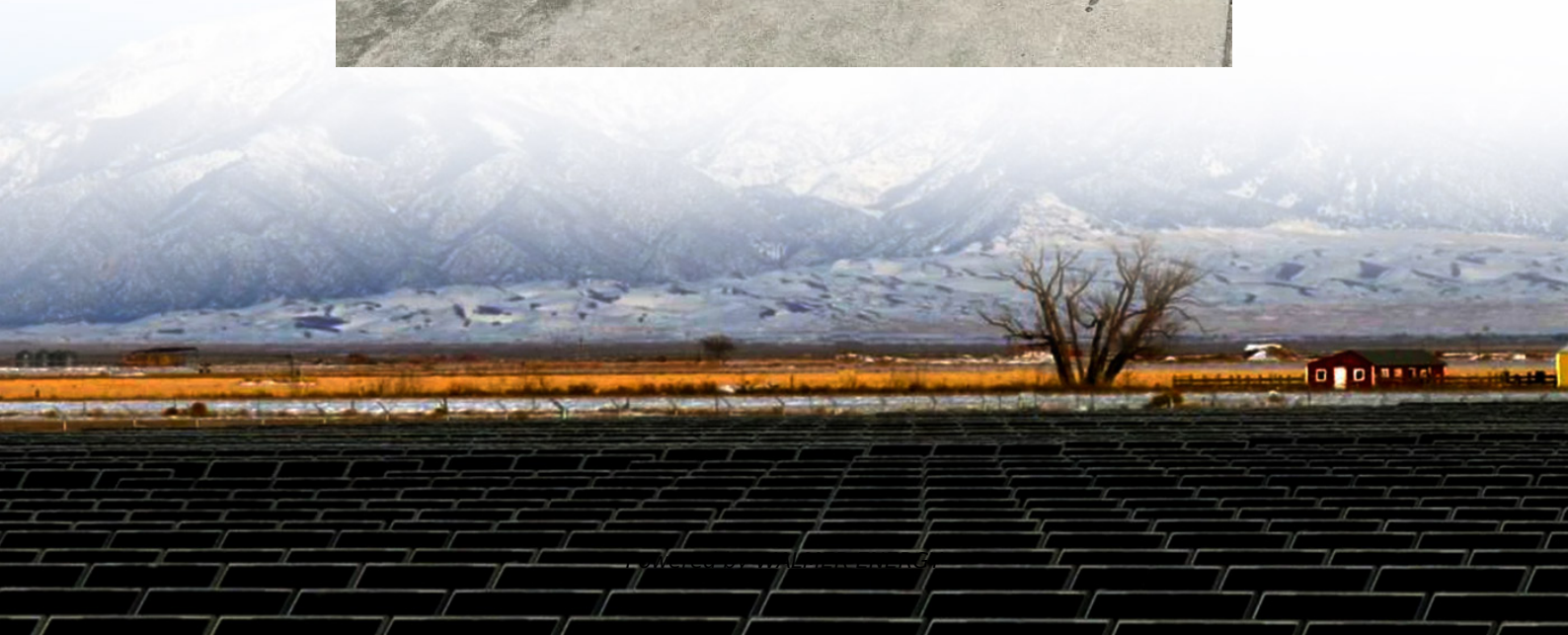


Freetown Sodium Ion Battery Energy Storage





Overview

What is the Freen energy storage solution?

Save on energy costs with intelligent energy management, seamless renewable integration, and reliable power storage. The Freen Energy Storage Solution introduces the 7.5 kWh and 10 kWh Sodium Battery Pack with integrated Battery Management System (BMS) to deliver consistent energy supply and independence, even during grid outages.

How many modules does a Freen battery storage system have?

The high-voltage option can scale to ten modules, for 100.8 kWh, and a six-module, low-voltage version to 45 kWh. Freen OÜ is launching its latest generation of sodium-ion battery storage systems. The Freen-BSH and Freen-BSL products are developed and produced in Estonia.

What is a sodium ion battery?

Sodium-ion batteries' high energy density ensures optimal storage of wind-generated power, minimizing energy losses and maximizing overall system performance. Together, Freen wind turbines and sodium-ion batteries create a fully off-grid solution, ideal for remote locations or areas with unreliable grid access.

How much does a Freen battery cost?

While Freen's lithium-ion systems are priced at €230/kWh, the sodium-ion versions begin at €330/kWh. They are positioned to offer reliable power storage with extended service life and are not subject to transport restrictions that affect lithium-based batteries.



Freetown Sodium Ion Battery Energy Storage

Is Sodium-Ion the Next BESS Thing?

Jun 20, 2025 · Discover how sodium-ion batteries are transforming grid-scale energy storage. Learn about their advantages, key developers, and future role in sustainable BESS solutions.

New generation of sodium-ion batteries developed in Estonia

Sep 5, 2025 · A new generation of sodium-ion batteries, developed and manufactured in Estonia, offers a safer, more sustainable, and more affordable alternative to lithium-based energy ...

Freen Presents Innovative Sodium-Ion Home Energy Storage ...

Mar 6, 2025 · Freen OÜ announces the launch of its cutting-edge Home Energy Storage solution--an advanced sodium-ion battery system.

Estonian Company Freen Started to Deliver its Sodium-Ion Battery Energy

Sep 3, 2025 · /IDA-VIRU, ESTONIA, September 3, 2025, 10:30 CET, RENEWABLE MARKET WATCH(TM)/ The Freen Energy Storage Solution introduces the 7.5 kWh and 10 kWh Sodium ...

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Freen launches scalable sodium-ion battery storage

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Freen Presents Innovative Sodium-Ion Home Energy Storage ...

The Freen Home Energy Storage is designed to provide reliable power storage, seamlessly integrating with renewable energy sources such as wind and solar. At its core is a 10 kWh ...

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3 days ago · Sodium-ion batteries (NIBs) have emerged as a promising alternative to lithium-ion batteries in many areas, including the mobility and grid-level storage sectors.

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