

# **Estonia Green Home Energy Storage**





## Overview

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Can a new home energy storage solution work with solar panels?

The new home energy storage solution from Estonia's Freen is based on sodium-ion battery chemistry and can be coupled with both rooftop PV and small wind turbines. Estonian renewable energy company Freen OÜ has launched a 10 kWh sodium-ion home energy storage solution, designed to integrate seamlessly with both solar panels and small wind turbines.

What is a residential energy storage system?

The residential energy storage system comes with a rated voltage of 48V, and an operating voltage range from 40V to 60V. It achieves a depth of discharge of 90%. Its maximum charge/discharge rate is 210A. The battery delivers more 4,000 charge-discharge cycles.

Does the Freen home energy storage system work with small wind turbines?

The Freen Home Energy Storage System is designed to work seamlessly with the company's signature small wind turbines. Freen is renowned for its Darrieus-type vertical small wind turbines, featuring soft blade designs with near-frictionless architecture, low noise emissions, and strong performance.



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