



Successful bid price of VRFB energy storage project in Estonia 2025

What is a VRFB energy storage system?

This next-generation energy storage system is designed to enhance large-scale energy storage with greater longevity, improved energy density and increased cost efficiency. Additionally, the VRFB improves economical effectiveness through advancements in material development and optimized system design.

What does VRFB stand for?

Sumitomo Electric is pleased to introduce its advanced vanadium redox flow battery (VRFB) at Energy Storage North America (ESNA), held at the San Diego Convention Center from February 25-27, 2025.

How long does a VRFB last?

Through optimized system design, improved electrolyte circulation control, and enhanced manufacturing processes, the new VRFB reduces overall costs, making it a more economical choice for large-scale energy storage projects. By developing long-life materials and ensuring proper maintenance, the VRFB offers an operational lifespan of up to 30 years.

Does Sumitomo Electric's VRFB technology support long duration energy storage (LDEs) applications?

At ESNA, visitors will have the opportunity to explore real-world deployment examples and gain insights into how Sumitomo Electric's VRFB technology supports Long Duration Energy Storage (LDES) applications. Visit Booth #2649 to explore the product's capabilities and discuss potential applications with our experts.



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