

Spanish vanadium battery energy storage project





Overview

What is the largest energy storage plant based on vanadium flow batteries?

The battery installation, which received funding from the SOLBAL photovoltaic investment aid programme, managed by IDAE, has a power of 1.1 MW and a storage capacity of 5.5 MWh, making it the largest energy storage plant based on vanadium flow batteries in Europe.

Will Spain install 20GW of energy storage capacity?

As part of its strategy to ensure a stable power supply, Spain aims to install 20GW of energy storage capacity, selecting vanadium flow batteries for their superior long-duration storage capabilities.

Is vanadium the future of battery energy storage?

The use of vanadium in the battery energy storage sector is expected to experience disruptive growth this decade on the back of unprecedented vanadium redox flow battery (VRFB) deployments.

What is a vanadium flow battery?

Vanadium flow batteries, such as the EnerFLOW 640, offer several advantages over traditional lithium-ion batteries, including superior fire safety, a longer lifespan with minimal degradation over 25 years, and enhanced environmental benefits due to the recyclability and reusability of vanadium electrolytes.



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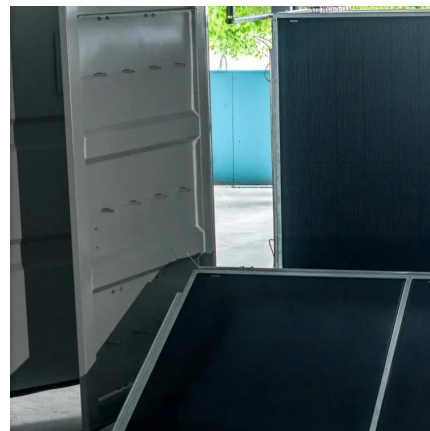
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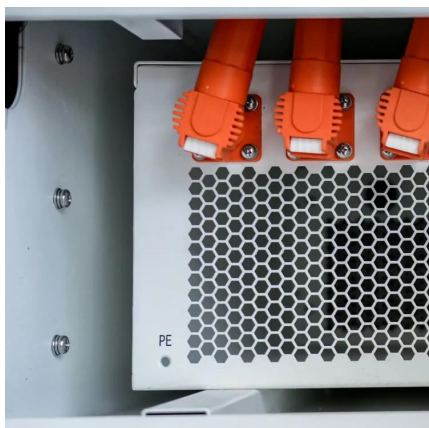
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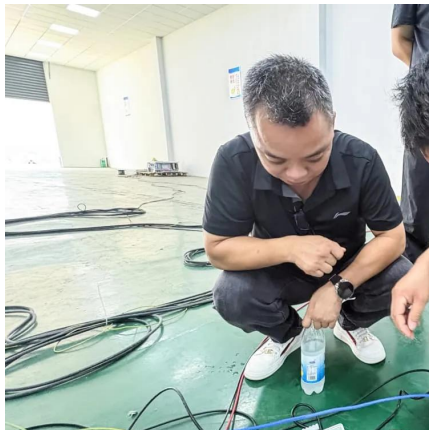
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