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Singapore Flow Battery



Overview

How do vflowtech batteries work on Jurong Island?

We have a 1 megawatt-hour (MWh) energy storage system at Pulau Ubin, where our batteries provide round the clock energy to residents on the island. VFlowTech's energy storage system at Pulau Ubin. We are also working on another project to use vanadium flow batteries in industrial tanks on Jurong Island.

Where can vflowtech develop a vanadium flow battery system?

Besides developing vanadium flow battery systems, VFlowTech also has a research and development centre here in Singapore looking at continuously improving the energy storage system technology.

Why is vflowtech launching a flow battery system in Asia?

The aim is to drive manufacturing scale-up while also funding advancements in membrane technology and vanadium recycling pathways, which remain key factors that influence the long-term cost trajectory of flow battery systems. VFlowTech said it has deployments already spanning 10 countries, with a focus on Asia.

How many kWh can a vflowtech battery supply?

According to Kumar, VFlowTech's proprietary battery system, named PowerCube, has the capacity to supply a 50 kilowatt-hour (kWh) load for 24 hours per unit. For context, the average family in Singapore consumes 12 to 17 kWh of electricity each day. VFlowTech has developed a modular vanadium redox flow battery energy storage system, PowerCube.

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We speak to one of its co-founders, Dr Avishek about the company's work and plans for the future. Dr Avishek Kumar co-founded ...

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VFlowTech is a Singapore based company that aims to produce the world's best Vanadium Redox Flow Batteries to power the sustainable future with pure renewable energy.

VFlowTech, a provider of long-duration energy storage solutions, pulled in \$20.5 million in its most recent funding round, which was led by venture capital firm Granite Asia. ...

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Singapore's VFlowTech has secured a substantial \$20.5M funding round to accelerate deployment of its vanadium redox flow batteries that aim to offer long-duration ...

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