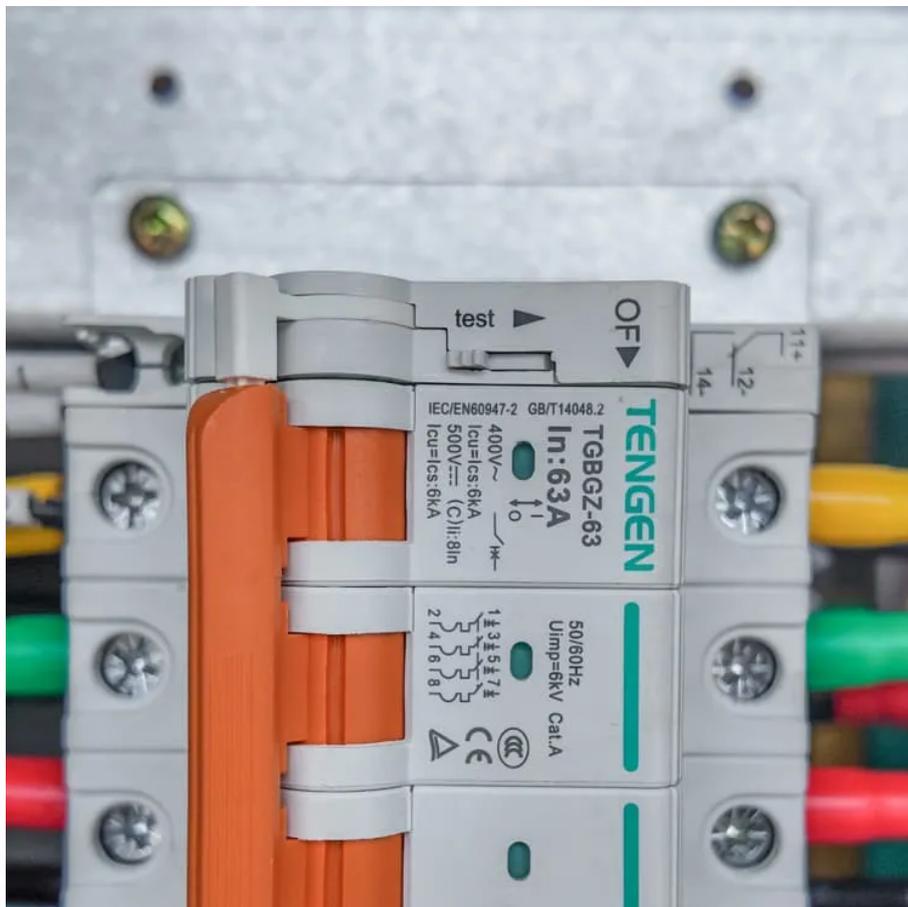


# Western Electric Flow Battery





## Overview

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Who supplies the vanadium flow battery?

The vanadium flow battery has been supplied by Australian Vandium's subsidiary VSUN Energy. Image: Australian Vanadium Western Australia has revealed a new long-duration vanadium flow battery pilot in the town of Kununurra exploring the use of the technology in microgrids and off-grid power systems.

Where is Australian flow batteries testing a hybrid battery?

Australian Flow Batteries has been testing its hybrid diesel replacement retractable solar array and vanadium flow battery at the Australian Automation and Robotics Precinct in Western Australia. Image: Australian Automation and Robotics Precinct.

Is a new vanadium flow battery coming to Kununurra?

Energy Magazine Kununurra is home to a new vanadium flow battery, with the Western Australian Government trialling the technology in the unique Kimberley conditions.

What is a flow battery?

Flow batteries differ from the lithium-ion battery chemistries that currently dominate the market, and generally provide longer storage with no fire risk. Some flow batteries feature zinc bromine or other minerals, but all have struggled to compete with lithium ion on costs.



## Western Electric Flow Battery

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WA Gov pilots new long-duration battery

Nov 20, 2024 · Energy Magazine Kununurra is home to a new vanadium flow battery, with the Western Australian Government trialling the technology in the unique Kimberley conditions.

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Western Australia pilots long-duration ...

Nov 20, 2024 · Western Australia has revealed a new long-duration vanadium flow battery pilot exploring its use in microgrids and off-grid ...

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What is a flow battery? Flow batteries are a newer type of battery technology that operate by combining tanks of liquid electrolytes, rather than using static electrodes. They use cheaper ...

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Western Australia: The first all-vanadium flow ...

Dec 5, 2024 · A 78kW/220kWh Vanadium Flow Battery (VFB) pilot project has recently been commissioned in Kununurra, a remote area in Western ...

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UK Flow Battery To Be Tested In US

2 days ago · Vanadium flow battery technology from the UK will be the first to go through its paces at a new energy storage test facility in the US.

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Enerflow plans 1.2 GWh vanadium flow battery project for ...

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Western Australia's 500MWh vanadium flow battery initiative ...

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Vanadium Flow Batteries Revolutionise ...

Mar 4, 2025 · The 200 kW.hr flow battery neatly fits into a 20 ft sea-container and has a 20-year lifespan, limited only by the standard electrical inverter, ...

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Biggest vanadium flow battery in Australia promised for ...

Jan 30, 2025 · A 500 MWh vanadium flow battery - the biggest in Australia - has been promised for the mining town of Kalgoorlie in a new state election pledge.



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