

## Solar Energy South Africa

# Redflow x10 battery Uganda



## Overview

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Will Redflow's new X10 battery work at Stanwell's Future Energy & Innovation Hub?

A feasibility study will conduct technical and commercial due diligence for an initial 5 MWh project using Redflow's new X10 battery solution at Stanwell's Future Energy and Innovation Training Hub being built at the coal-fired Stanwell power station site near Rockhampton in central Queensland.

Will Redflow's X10 battery be used in a 400 MWh project?

The two parties intend to then deploy Redflow's X10 battery for use in a 400 MWh large-scale project at a site that has yet to be revealed. Redflow said the X10 is the "natural evolution" of its current zinc-bromine battery systems and designed for larger-scale projects.

What will Redflow do with X10 ZBM batteries?

The ultimate plan is to collaborate on the development and deployment of the X10 ZBM batteries in a large-scale project of up to 400 MWh, which will serve as a potential anchor order for Redflow's planned Queensland factory.

What is Redflow X10?

Redflow said the X10 is the "natural evolution" of its current zinc-bromine battery systems and designed for larger-scale projects. The system utilises the core stack technology that was developed for the company's ZBM3 battery unit but in a new form designed for large-scale deployments.

Is Redflow partnering with Stanwell?

Queensland-based battery company Redflow has signed a memorandum of understanding with publicly owned energy company Stanwell to collaborate on the development and deployment of its next generation zinc bromide flow battery for use in large-scale projects.

## What is Redflow battery technology?

Founded in 2008, Redflow designs flow battery technology that offers a much longer duration, safer and longer lasting alternative to lithium ion. Its batteries use water-based electrolytes, which act as a fire retardant, making them ideal for critical infrastructure like hospitals, power stations and military bases.

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### Stanwell deal sets scene for Queensland battery plant

Queensland battery developer Redflow says it has taken a significant step towards delivering local manufacturing through an MOU with energy generator Stanwell Corporation. The MOU sets out Redflow's and Stanwell's intention to collaborate on the development and deployment of Redflow's X10 battery for use in a 400 MWh large-scale ...

### Redflow signs MOU with Stanwell for renewable energy transition

The MOU sets out Redflow's and Stanwell's intention to collaborate on the development and deployment of Redflow's X10 battery for use in a 400MWh large-scale project. Redflow (ASX: RFX) has signed a memorandum of understanding (MOU) with Queensland's largest energy generator, Stanwell Corporation.



### Redflow (ASX:RFX) and its Australian subsidiaries

Following "significant commercial interest", Redflow proposed a new factory be built and commissioned in Queensland to manufacture the X10 batteries at scale. Government support had reportedly been received for the plan, but Redflow required significant "matching funding" from the Australian capital markets to access the government funding, which it ...

## Redflow enters voluntary administration after failing to secure funds

Redflow, a Brisbane-based zinc-bromine flow battery producer, has entered into voluntary administration after failing to secure capital to scale up its X10 battery to target larger projects.



## Redflow and Stanwell to collaborate on innovative X10 long ...

The grant was allocated as part of Queensland's \$100m critical minerals and battery technology fund. It will contribute to the project's total expected capital cost of \$3.2m. Non-lithium options. Redflow chief executive officer Tim Harris said the company was proud to be partnering with Stanwell on the development of the X10 battery.

## Queensland battery manufacturer Redflow enters voluntary ...

Brisbane-headquartered zinc-bromine flow battery producer Redflow has entered into voluntary administration after it was unable to attract capital to scale up its X10 battery to target larger MWh scale projects.



## Redflow partners with Stanwell Corporation on long-duration

...

o The MOU sets out Redflow's and Stanwell's



intention to collaborate on the development and deployment of Redflow's X10 battery for use in a 400 MWh large-scale project, which will serve as a potential anchor order for Redflow's planned manufacturing facility in ...

## Redflow belatedly eyes local battery manufacture

The feasibility study is scheduled to be completed in early 2025 followed by a decision to proceed with the 5 MWh X10 battery project which is expected to be deployed in the first half of 2026. Further reading: The ...



## Flow battery maker Redflow goes into administration

By Peter Roberts Zinc bromine flow battery manufacturer Redflow has gone into voluntary administration after failing to secure new funds from investors. The company, which manufactures its Australian developed batteries in Thailand, has appointed Richard Hughes and David Orr from Deloitte as administrators. Redflow was one of the first to launch a commercial ...

## Australian flow battery pioneer put into administration after ...

The company had hoped to launch a megawatt-hour scale version of its battery, known as X10, Redflow designs flow battery technology that offers a much longer duration, safer and longer lasting



## Redflow and Stanwell to collaborate on innovative ...

The grant was allocated as part of Queensland's \$100m critical minerals and battery technology fund. It will contribute to the project's total expected capital cost of \$3.2m. Non-lithium options. Redflow chief executive ...

## Redflow belatedly eyes local battery manufacture

The feasibility study is scheduled to be completed in early 2025 followed by a decision to proceed with the 5 MWh X10 battery project which is expected to be deployed in the first half of 2026. Further reading: The disappointment of overseas production - Lithium Australia (and Redflow) Picture: Redflow's ZBM3 zinc-bromine flow battery



## [Redflow enters Voluntary Administration](#)

Redflow has developed a strategic plan to develop a larger scale X10 battery (based on its existing stack design) targeted at larger megawatt hour scale projects. Redflow received significant commercial interest in the X10 battery and, with a growing customer base, was

proposing a new factory be built and commissioned in Queensland to



## Redflow to jointly develop X10 flow battery

Redflow, the Australia and US-based energy company, and utility company Stanwell are to jointly develop and deploy Redflow's new X10 flow battery solution for use in a large-scale project of up to 400MWh.. The battery has the core stack technology as the company's ZBM3 battery. It is redesigned for large-scale deployments. This will serve as a ...



## Administrators fail to recharge battery maker Redflow

Queensland-based Redflow created a scalable zinc-bromine flow battery designed for energy storage.. The company says its battery is the "world's smallest and most scalable" from tens of kilowatt hours up to ...

## Redflow Liquidation: Australian Battery Developer Faces Financial ...

Discover the story of Redflow's liquidation in Australia, following a significant MOU with Stanwell Corporation. Get insights into the key points and implications for the industry. Redflow,

a prominent developer of battery storage technology in Australia, along with its Australian subsidiaries, has been placed in liquidation due to

Energy storage(KWH)  
**102.4kWh**  
Nominal voltage(Vdc)  
**512V**  
Outdoor All-in-one ESS cabinet



## Flow battery maker Redflow goes out of business

Australian zinc-bromide flow battery manufacturer Redflow has ceased operations with administrators unable to find a buyer. Administrators Richard Hughes and David Orr from Deloitte had been appointed in late August at the Australian Securities Exchange (ASX) listed technology company after Redflow failed to raise enough equity to fund a

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the Redflow Groups' respective boards of directors. Redflow has developed a strategic plan to develop a larger scale X10 battery (based on its existing stack design) targeted at larger megawatt hour scale projects. Redflow received significant commercial interest in the X10 battery and, with a growing customer base, was proposing a new



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## Stanwell sign MOU with Redflow to deliver on Queensland's battery ...

Redflow and Stanwell will collaborate on the development and deployment of Redflow's new X10 battery solution for use in a large-scale project of up to 400 MWh, which will serve as a potential anchor order for Redflow's planned manufacturing facility in Queensland.



## Redflow Ltd Enters Administration Amid Funding Challenges

Australian battery manufacturer Redflow Ltd has entered voluntary administration after failing to secure the necessary capital to scale up its X10 zinc-bromine flow battery technology. The Brisbane-based company has called in Deloitte to review its business and determine its future.

## Redflow teams with Stanwell to advance zinc bromide ...

Redflow said the X10 is the "natural evolution" of its current zinc-bromine battery systems and designed for larger-scale projects. The system utilises the core stack technology that was

developed for the company's ZBM3 ...

114KWh ESS



## ASX-listed battery company Redflow handed to administrators ...

Brisbane battery company Redflow has been placed in voluntary administration and its shares suspended from trade just weeks after unveiling plans for a 5 MWh project with Queensland's energy generators, Stanwell Corporation. (MOU) with energy generator Stanwell Corporation to deploy of Redflow's X10 battery solution in a large-scale

## Q4 Report

initial 5 MWh project using Redflow's new X10 battery at the Stanwell Future Energy Innovation Training Hub near Rockhampton, Queensland. The feasibility study is scheduled to be completed in the second half of FY25 followed by a decision to proceed with the 5 MWh X10 battery project expected to be deployed in the second half of FY26.



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