

## SolarTech Power Solutions

# Iron-cadmium flow battery company



## Overview

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### 1.1. What is a Flow Battery?

What is a flow battery?

A flow battery is an electrochemical cell that converts chemical energy into electrical energy as a result.

What is Iron-Flow batteries?

This unique feature allows for cost-effective scaling, essential for large-scale applications. Developed using an advanced metal complex and membrane, Iron-Flow Batteries is based at the Paris Flow Tech platform – a premier hub for innovation in continuous flow chemistry.

What makes iron flow batteries environmentally friendly?

As iron flow batteries consist of earth-abundant and non-toxic materials, they are environmentally friendly, safe, and one of the most reliable electrochemical energy storage devices. On the other hand, an iron flow battery uses electrolytes made up of iron salts in an ionized form.

Are iron flow batteries better than Li-ion batteries?

Iron flow batteries have a longer asset life than Li-ion batteries. Battery manufacturers are collaborating with utility companies to implement iron flow battery projects, aiming to replace diesel-fueled power generation with the more environmentally friendly flow battery system.

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