

Kongres Container

Reactions of vanadium flow battery



Overview

The reaction uses the : $\text{VO}^{2+} + 2\text{H}^+ + \text{e}^- \rightarrow \text{VO} + \text{H}_2\text{O}$ ($E^\circ = +1.00 \text{ V}$) $\text{V} + \text{e}^- \rightarrow \text{V}^{2+}$ ($E^\circ = -0.26 \text{ V}$) Other useful properties of vanadium flow batteries are their fast response to changing loads and their overload capacities. They can achieve a response time of under half a millisecond for a 100% load change, and allow overloads of as.

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Contact Us

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