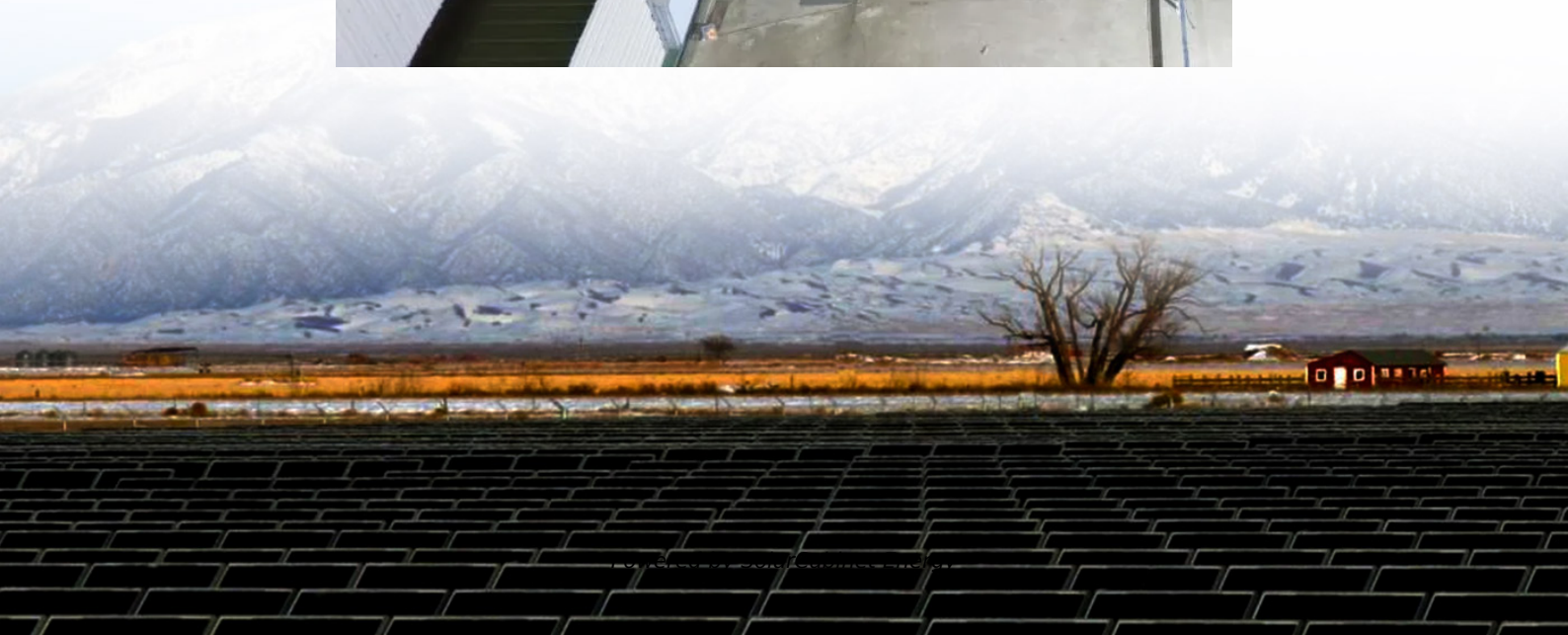


Zinc-bromine graphene flow battery





Overview

The low power density, due primarily to the sluggish reaction kinetic of Br_2/Br^- , is one of the main barriers that hinder the widespread application of zinc-bromine flow batteries (ZFBs). Here, N-doped graphene.



Zinc-bromine graphene flow battery



[Compressed composite carbon felt as a negative electrode for a zinc](#)

However, zinc-based flow batteries involve zinc deposition/dissolution, structure and configuration of the electrode significantly determine stability and performance of the battery.

The characteristics and performance of hybrid redox flow batteries ...

The benefits and limitations of zinc negative electrodes are outlined with examples to discuss their thermodynamic and kinetic characteristics along with their practical aspects. Four ...



[Boron-Doped Graphene as Efficient Electrocatalyst for Zinc-Bromine](#)

In the present study, BDG is synthesized and used as an electrocatalyst for improving the bromine reversibility in Zn-Br₂ redox flow battery applications. BDG showed a ...



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