

## ContainerPower Energy Solutions

# Zinc-bromine flow battery applications

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### INTEGRATED DESIGN

EASY TO TRANSPORT AND INSTALL,  
FLEXIBLE DEPLOYMENT



## Overview

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Zinc-bromine batteries share six advantages over lithium-ion storage systems: • 100% depth of discharge capability on a daily basis. • Little capacity degradation, enabling 5000+ cycles • Low fire risk, since the electrolytes are non-flammable

Known for their high energy density and scalability, these batteries are ideal for large-scale energy storage applications, such as stabilizing power grids and storing renewable energy.

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Zinc-bromine rechargeable batteries (ZBRBs) are one of the most powerful candidates for next-generation energy storage due to their potentially lower material cost, deep discharge capability, non-flammable electrolytes, relatively long lifetime and good reversibility. However, many opportunities.

Zinc-Bromine Flow Batteries (ZBFB) are a type of rechargeable flow battery that provides an efficient and sustainable energy storage solution. Known for their high energy density and scalability, these batteries are ideal for large-scale energy storage applications, such as stabilizing power grids.

## Zinc-bromine flow battery applications

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