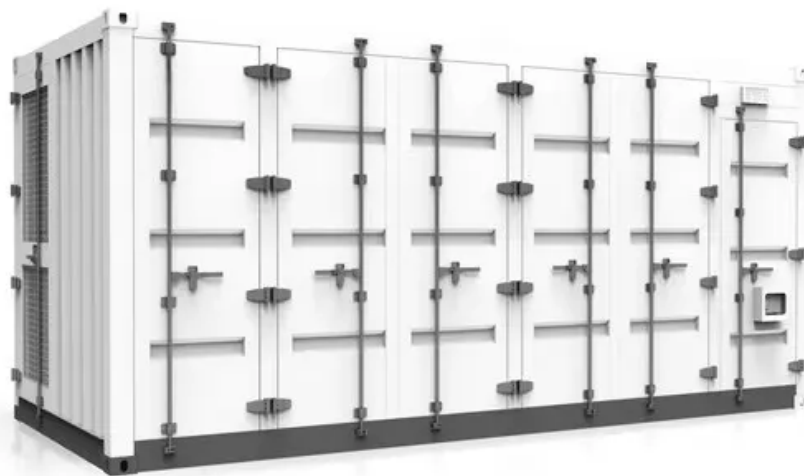


## SolarInnovate Energy Solutions

# Primus Flow Battery



## Overview

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Primus Power has developed an innovative large capacity zinc-flow battery and power regulation system that is cost effective and safe to operate. What is Primus Power's second generation flow battery?

Primus Power says it has begun producing its second generation flow battery with a five hour duration and a 20 year expected life span. Primus says its EnergyPod 2 delivers energy storage a total cost of ownership up to 50% less than conventional lithium-ion battery systems.

Who is Primus Power?

The Winners Are Set to Be Announced for the Energy Storage Awards! Primus Power CEO Tom Stepien. Image: Advanced Energy Economy via YouTube. Primus Power is among a handful of makers currently commercialising their flow batteries, with rivals that include RedT, VIZn Energy and Redflow.

What is a flow battery?

Primus Power has developed a low-cost, distributed storage flow battery made of tanks filled with high energy density electrolytes that are pumped throughout the battery system. This flow battery can store renewable energy such as wind and solar power and then release that energy into the grid during peak load times.

Why should we invest in Primus Power?

Investments in Primus Power's low-cost, distributed storage battery technology pave the way for increased integration of solar and wind technology into our nation's energy portfolio.

What is Primus Power doing in Modesto?

Primus Power is building a farm of flow batteries that promise to offer 25 MW of power for up to 3 hours for the Modesto Irrigation District (Modesto, California's utility provider).

Where does Primus battery go?

Primus says it is shipping its battery systems to U.S. and international utilities, including Puget Sound Energy in Washington State, where it can be used as an alternative to distribution substation upgrades, especially in crowded urban areas.

## Primus Flow Battery

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### Mobilizing a Global Energy Storage Fleet of Zinc Bromide Flow Batteries

Aug 6, 2025 · The core technology behind these solutions is Primus Power's EnergyPod, a groundbreaking long-duration flow battery system. The proprietary EnergyPod flow battery ...

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### With a New Design, Primus Power Thinks Flow-Battery Improvements ...

Apr 20, 2017 · The California storage producer is firming up deals worldwide as it refines its technology--with the help of a \$32 million equity raise. Tom Stepien, CEO of flow-battery ...



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