

Primus Flow Battery





Overview

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 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.

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).

How much money did ARPA-E get from Primus Power?

ARPA-E recently received the news that another of its performers, Primus Power, has generated \$11 million in follow-on funding for its grid-scale storage technology -- 5 times more than ARPA-E's \$2 million investment last year.



Primus Flow Battery

Long time coming: Part 1

Jun 14, 2018 · Primus Power's zinc bromine EnergyPod solution. Flow batteries are emerging as a long-duration alternative to lithium-ion technology. Image: Primus Power First developed by ...

Primus Power

Oct 2, 2024 · A hybrid redox flow battery. As part of the ARPA-E (DAYS) program, the Primus Power team will work with the Columbia Electrochemical Energy Center to develop a long ...

Primus Power

The Future of Storage is Flow Stable, non-toxic zinc bromide flow battery 20-year life Long duration without degradation Daily cycling for powerful results Superior flow battery design: ...

Primus Power Case Study

6 days ago · Primus Power has developed an innovative large capacity zinc-flow battery and power regulation system that is cost effective and safe to operate. This system consists of ...

Primus Power Corporation

Primus Power Corporation, founded in 2009 and based in Hayward, California, develops and manufactures long-duration, fade-free grid-scale energy storage systems using proprietary ...

Zinc-Bromide Flow Batteries

Sep 25, 2024 · Innovation Office of Electricity provided Primus Power support to deploy a 25 MW/75 MWh zinc-based flow battery through \$14 million in ARRA funding. This project ...

Mobilizing a Global Energy Storage Fleet of Zinc Bromide Flow Batteries

Aug 6, 2025 · Primus Power aimed to quickly, and without sacrificing quality, deliver the next generation of zinc bromide flow battery storage systems to market for deployment in ...

6 Key Emerging Players Leading the Aqueous ...

May 8, 2025 · Primus Power has developed the EnergyPod, a zinc-bromine flow battery system that integrates the electrolyte tank and cell stack into ...

Primus Power's Flow Battery Powered by \$11 Million in ...

Jun 14, 2011 · 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 ...

6 Key Emerging Players Leading the Aqueous Zinc Flow Battery

May 8, 2025 · Primus Power has developed the EnergyPod, a zinc-bromine flow battery system that integrates the electrolyte tank and cell stack into a single unit, simplifying installation and ...



Long time coming: Part 1

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Primus Power's Flow Battery Powered by \$11 ...

Jun 14, 2011 · Investments in Primus Power's low-cost, distributed storage battery technology pave the way for increased integration of solar and ...

Primus Power

Oct 20, 2025 · Primus Power is a series D company based in Hayward (United States), founded in 2009 by Tom Stepien. It operates as a Provider of zinc bromide flow battery storage. Primus ...

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