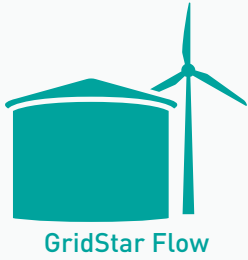


GridStar[®] Flow



Lockheed Martin has invested in resilient and smart energy technologies for over 86 years. Transformation to a renewable, distributed, secure electricity system requires durable, flexible, energy storage to store and discharge power for extended periods of time. That's why we developed GridStar Flow. Engineered for the future of energy, GridStar Flow is an innovative redox flow battery designed with patented technology that offers a robust and flexible solution for long-duration energy storage.

GridStar Flow Capabilities

GridStar Flow provides long-duration energy storage with superior durability and flexibility to advance resilient and clean energy goals.



Durability

100% depth-of-discharge with minimal degradation across applications and a design life of 20 years with normal maintenance



Optionality

Addresses a wide range of applications behind- and front-of-the-meter and can quickly switch between applications



Stability

Ensures a nonflammable, noncorrosive and stable clean energy solution through the use of aqueous electrolytes



Long Duration

Optimized for 6-12 hours of flexible discharge



Affordability

Offers competitive total cost of ownership over the design life



Siteability

Can be flexibly and safely sited in a variety of environments



Future Proof

Freedom to operate in future differently than originally planned, allowing customers to address evolving markets

Applications



- Renewable generation bulk shifting
- Large-scale transmission & distribution deferral
- Microgrids for sustainability and resilience

Sustainability



- Zero carbon emissions when paired with renewables
- Enables energy independence
- Made with mildly alkaline, aqueous electrolytes

Economic Impact



49 employees
100 vendors



- Key parts and materials sourced from domestic suppliers
- Manufactured primarily in the U.S.