



## E-SERIES

# VRFB >>>

Stryten Energy's Vanadium Redox Flow Battery (VRFB) is uniquely suited for applications that require medium to long duration energy storage from 4 to 12 hours. Examples include microgrids, utility-scale storage, data centers and military bases. Stryten Energy's VRFB offers industry-leading power density with a versatile, modular platform for stable capacity and novel, high-temperature electrolyte formulations. Design breakthroughs and advanced material development deliver safe, cost-effective, and reliable large-scale energy storage systems.



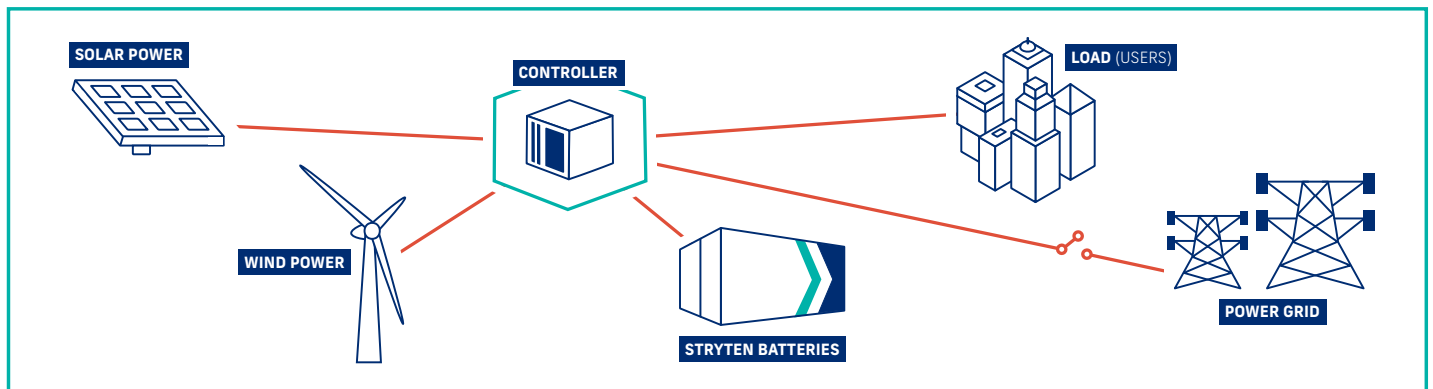
***THE ENERGY TO CHALLENGE*** >>>>

## FEATURES AND BENEFITS

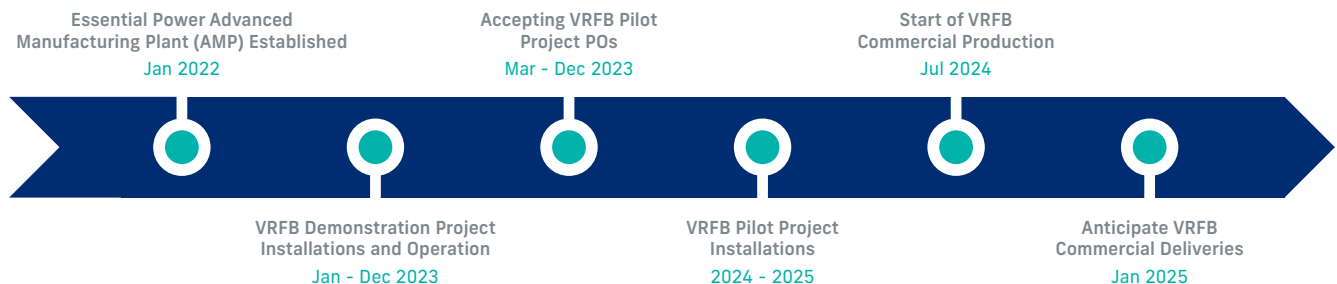
- Unlimited cycle life with proper maintenance
- Stable capacity to last the life of deployment
- Cycle life stable in temperatures up to 50°C
- Cost-effective discharge time greater than 6 hours
- Aggressive charge and discharge tolerant
- Insignificant self-discharge
- Scalable from kWh to MWh
- Fast response time (ms range)
- Non-flammable electrolyte and other materials

## SUGGESTED APPLICATIONS

- Long-term energy shifting
- Peak shaving
- Stack services, energy shifting
- Eliminate renewable curtailment
- Critical load protections
- Ancillary services



## STRYTEN ENERGY VRFB DEVELOPMENT TIMELINE



### The Energy to Challenge

Stryten Energy helps solve the world's most pressing energy challenges with a broad range of energy storage solutions and components across the Essential Power, Motive Power, Transportation, Military and Government sectors. Headquartered in Alpharetta, Georgia, we partner with some of the world's most recognized companies to meet the growing demand for reliable and sustainable energy storage capacity. Stryten powers everything from submarines to subcompacts, microgrids, warehouses, distribution centers, cars, trains and trucks. Our stored energy technologies include advanced lead, lithium and vanadium redox flow batteries, intelligent chargers and energy performance management software that keep people on the move and supply chains running.

Learn more at [www.stryten.com](http://www.stryten.com)