



### THIRD-PARTY VALIDATION

# Eos Znyth™ battery module certified safe in rigorous UL testing

Thermal runaway has been a major issue in energy storage. Eos was founded 12 years ago with a mission to make an inherently fire-proof battery.

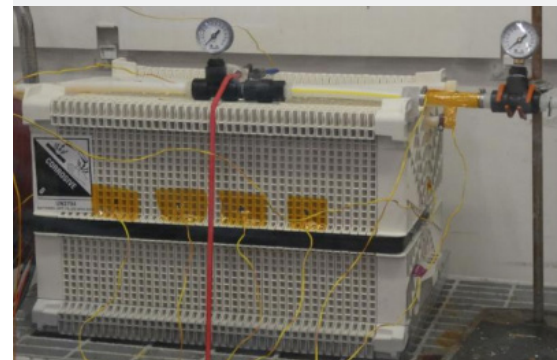
Our proprietary Eos Znyth technology employs an aqueous, zinc bromide chemistry and flame-retardant, polymer framing, components known for their non-hazardous properties. We're proud our unique battery design has received UL certifications that validate we've achieved the fire safety goals we set from the start.

**Eos Znyth modules are compliant with the following standards. UL is in the process of finalizing certification documents.**

- + UL 9540A: "Standard for Safety for Thermal Runaway"
- + UL 1973: "Standard for Safety for Stationary Applications"

### UL Test Performance of Eos Zinc-Hybrid Battery Technology

Test	Description	Performance
Over Discharge	Discharge to zero voltage.	Ready for continued operation. No degradation. No capacity loss.
2 1/2" Nail Penetration	Inject nail through battery case, causing cell short.	25°C temperature rise. No Flame. No explosion. No thermal runaway.
200% Overcharge	Charge battery indefinitely to about 200% nominal charge.	Battery reaches 90°C, No flame. No explosion. Electrolyte/steam release at terminals and gas channel.
Battery Short Circuit	Connect + & - terminals together while battery is fully charged resulting in >20x nominal current.	Battery reaches 80°C and 425 amps of peak current. No flame. No explosion. Steam release at terminals and gas channel.



Znyth battery module in fume hood at Eos advanced testing facility in Edison, NJ

—January 2021