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EnerVenue UL 9540A Tests Complete

EnerVenue is pleased to announce that testing of the Energy Storage Vessel™ at the cell, module, and unit level has been completed per UL 9540A, the Standard for Test Method for Evaluating Thermal Runaway Fire Propagation in Battery Energy Storage Systems, as specified in NFPA 855, UL 9540 and the International Fire Code (IFC). The [UL 9540A Test Method](#) was developed by UL to guide manufacturers in achieving compliance with the new regulations.

EnerVenue is committed to the continuous improvement of safety amid the rapid adoption of Battery Energy Storage Systems (BESS) in global energy markets. Testing was performed by the CSA Group on the Energy Storage Vessel, the industry’s most durable, safe, and versatile building block for grid-scale and C&I energy storage applications. Energy Storage Vessels experience no flaming or fire propagation risk, eliminating the need for the costly fire suppression systems required by Li-ion systems.

Notable UL 9540A Test Observations

- No flaming occurred
- No module-to-module propagation
- No explosion hazards observed
- Flammable gas release was below detectable limits (module, unit)



Gas Component		Volume Released (Before Flaming)	Volume Released (After Flaming)
Carbon Monoxide	CO	Below Detectable Limit	No Flaming Occurred
Carbon Dioxide	CO ²		
Hydrogen	H ₂		
Total Hydrocarbons	THC		