



NAATBatt Member Presentation

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February 2023

Opening mid-2024 Auburn Hills, MI Cells to EV Packs & MW Systems



EV & Industrial Battery Center of Excellence

- Providing safety compliance and performance services to automotive and industrial OEMs, and their suppliers.
- Services will include thermal fire propagation, electrical, mechanical abuse and environmental testing based on a variety of UL, IEC, UN and OEM specifications.



Services & Standards Offered

Industrial



UL 1973

IEC 62619

UL 9540

IEC 63056

UL 9540A

IEC 62933-5-2

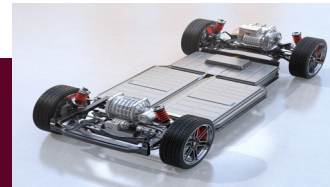
UL 2580

UN 38.3

UL 2271

UL 1989

Automotive



UL 2580

Auto OEM/Custom

ECE R100/136

Test Specs

GB 38031

KMVSS

IEC 63057

Thermal Vibration

UN 38.3

Environmental (IPX1 to IPX9K)

SAE J2380

HTOE Lifecycle

LV 124 series

Crush

Updates

UL 9540 – ESS Direct Injection Cooling

Two proposals UL Solutions is looking to add, and currently offer certification for, are Integral Battery Rack Direct Injection Clean Agent Coolant Systems and Water Injection Systems for BESS Battery Racks.

UL 9540 – DC ESS

Standard revision has been approved and is expected to be published Q2 2023. New certification path for manufacturers of large DC energy storage systems.

UL 1974

Battery repurposing process Standard.

CESA Safety Series

Educational content for targeted audiences.



Thank you

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