



Q&A WITH SAE G-27 LITHIUM-ION BATTERY PACKAGING COMMITTEE

Learn the latest developments - new base standard, testing updates, what's next - first hand from Claude Chanson, Wayne Pitt, Robby Kinsala, and Chris Egloff.



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WHAT ARE THE AS9100 AND ISO 9001 STANDARDS? WHY ARE THEY IMPORTANT?

How are they different from one another? Why is AS9100 certification critical for companies in the aerospace and defense industries? See our Q&A video to find out!

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LITHIUM-ION BATTERY STORAGE TIPS

New infographic offers safe and regulatory compliant lithium-ion battery storage recommendations, including optimal temperature, state of charge, locations, containers, safety code considerations, and other tips from industry experts.

- Maintain Optimal Storage Temperature**
Why: Battery performance and safety is maximized in stable environments.
Americase Tip: For best results, store batteries in a temperature between 41-68 degrees Fahrenheit/5-20 degrees Celsius. Americase's lithium-ion battery storage containers meet or exceed requirements outlined in the 2024 International Fire Code (IFC2024).
41-68°F
- Use Partial Charge for Storage**
Why: Long-term storage is safest with a mid-range charge.
Americase Tip: Avoid full or empty states by keeping stored batteries at 30-50% charge. The IFC2024 allows for reduced storage requirements for batteries stored at a state of charge of 30% or lower.
30-50%
- Avoid Direct Contact with Metal Objects**
Why: Short circuits from metal contact can lead to thermal runaway.
Americase Tip: Consult an expert as your battery specs and condition may affect safe storage requirements as well as regulatory compliance.
- Choose a Secure, Dry Location**
Why: Excess humidity can corrode battery terminals while condensation buildup can lead to short circuits and thermal runaway.
Americase Tip: Keep batteries stored at 50% humidity or less for optimal safety and performance.
< 50%

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BATTERY BACKUP UNIT THERMAL RUNAWAY CONTAINMENT TEST

See the difference between a li-ion Battery Backup Unit (BBU) experiencing thermal runaway in open air vs. in protective packaging designed to contain thermal runaway events.

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