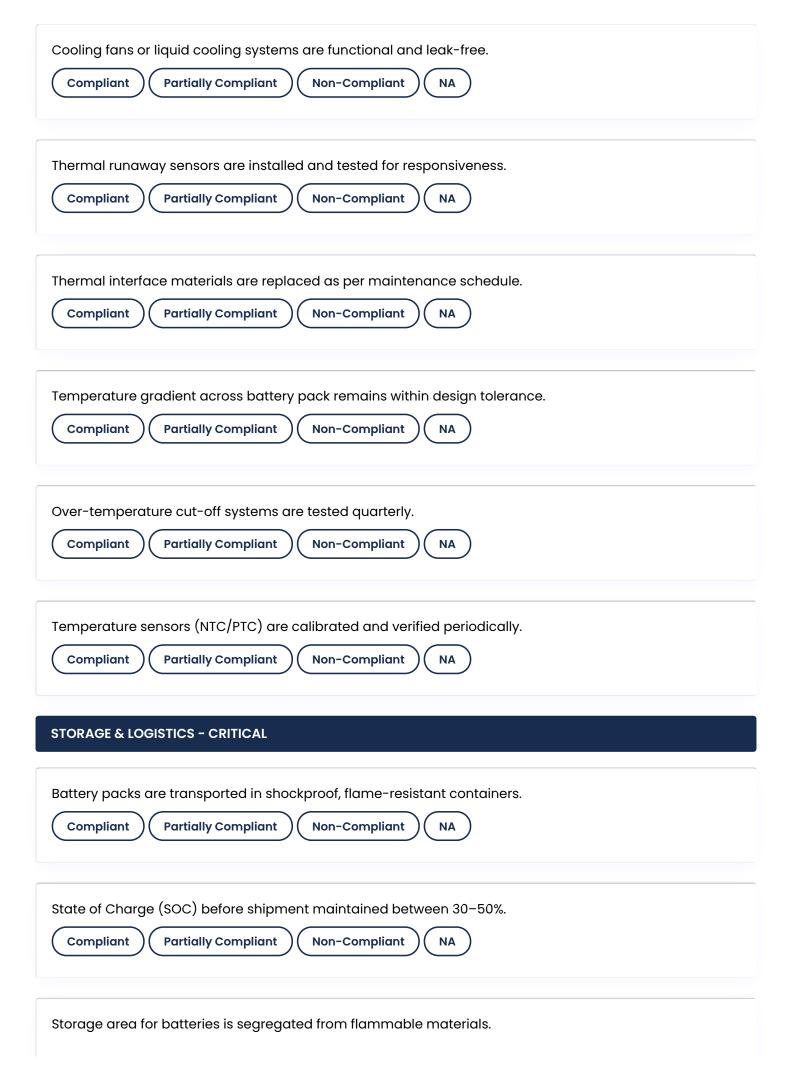
Battery Management and Thermal Safety

Electric Vehicle & Charging Station Industry

CRITICAL - BATTERY ASSEMBLY & INTEGRATION
Cells are matched for voltage and internal resistance before assembly. Compliant Non-Compliant NA
Busbars, cables, and connectors are free from corrosion and secured properly. Compliant Partially Compliant Non-Compliant NA
Thermal interface materials (TIM) are applied evenly to ensure uniform heat distribution. Compliant Partially Compliant Non-Compliant NA
High-voltage connections have insulation sleeves and terminal covers installed. Compliant Non-Compliant NA
Battery enclosures meet IP67/IP69 protection rating. Compliant Partially Compliant Non-Compliant NA
Cell voltage, temperature, and SOC (State of Charge) are recorded after assembly. Compliant Partially Compliant Non-Compliant NA
All battery fasteners are torqued as per assembly specification. Compliant Partially Compliant Non-Compliant NA







Compliant **Partially Compliant** Non-Compliant NA **SUPER CRITICAL - BATTERY HANDLING & STORAGE** All lithium-ion cells are sourced from certified suppliers with valid UN38.3 and IEC 62133 compliance. Compliant **Partially Compliant** Non-Compliant NA Battery packs are handled in ESD-protected areas with grounded flooring and wrist straps. Compliant **Partially Compliant** Non-Compliant NA Cells and modules are stored at recommended temperature (15°C-25°C) and humidity (<50% RH). Compliant **Partially Compliant** Non-Compliant NA No metal objects or conductive materials are placed near exposed terminals. **Partially Compliant** Compliant **Non-Compliant** NA

Defective or damaged cells are isolated immediately in a designated quarantine area.

Compliant

Partially Compliant

Non-Compliant

NA

TRAINING & COMPETENCY - WORKFORCE

All employees handling batteries are trained in high-voltage and chemical safety.

Compliant

Partially Compliant

Non-Compliant

NA

Operators are trained in proper PPE usage (insulated gloves, face shields, antistatic apron).

Compliant Partially Compliant Non-Compliant NA

Fire and emergency response team is trained for lithium battery incidents.

Compliant Partially Compliant Non-Compliant NA