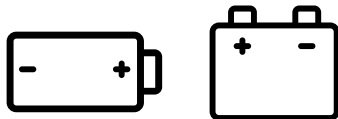
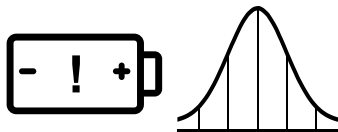


Cell design



Cell quality (defects and conformance)



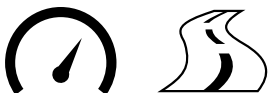
Module/pack design



Cell operating limits



End-user behavior



External environment



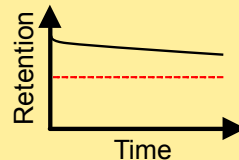
1. Performance degradation



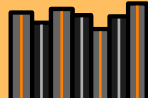
Side reactions



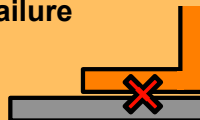
Active material loss



2. Functional failure



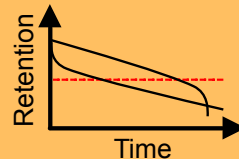
Cathode overhang



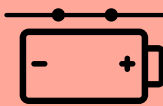
Tab weld failure



Metallic particle contaminants



3. Safety event



Internal short



Car crash



Casing or seal failure



Severity

Likelihood