



Lithium Battery Safety Early Warning Technology Market Review

As the battery energy density increase there is more safety concern

Mass market devices and critical systems can't afford themselves a battery safety event

Some universities and companies develop new technologies to provide an early warning of 1 week to 1 hour on battery safety event

These new technologies are the last battery safety layer to operate in case all traditional safety layers fail

That warning will allow the users to prepare in advance and prevent a catastrophe

Report Content

Why are Lithium Batteries Dangerous?

Battery Failures Flow Chart

Thermal Run Away

Impact of SOC on Thermal Runaway

Impact of Cell Size on Thermal Runaway

Chain Reaction Failure Propagation

High voltage battery protections

Manufacturing (Field) Failures - Not Manageable - Need New Safety Technology

Cells and Batteries safety layers (Hardware and Software)

Battery Failure Prediction and early Warning

Review of 5 Universities researches on early battery safety event warning technologies

Review of 10 companies to develop an early battery safety event warning technology

Summary

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Research files format: Power Point

**** We do a custom-made market report per demand**