

FAILURE MODES

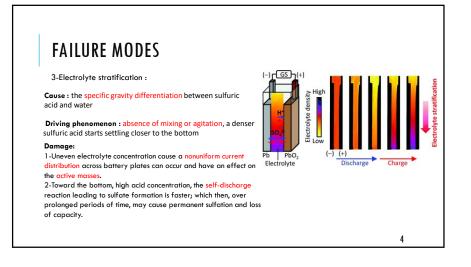
2-Sulfation or formation of $PbSO_4$:

As we introduced the reaction , $PbSO_4$ will be produced during discharge, but it decomposes in charging. High temp, will increase the rate of sulfation. It Blocks active materials

If a battery is left longer in the fully discharged state or close to fully discharged state, the lead sulfate crystals grow in size, making it impossible to breakdown such large crystals.



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