

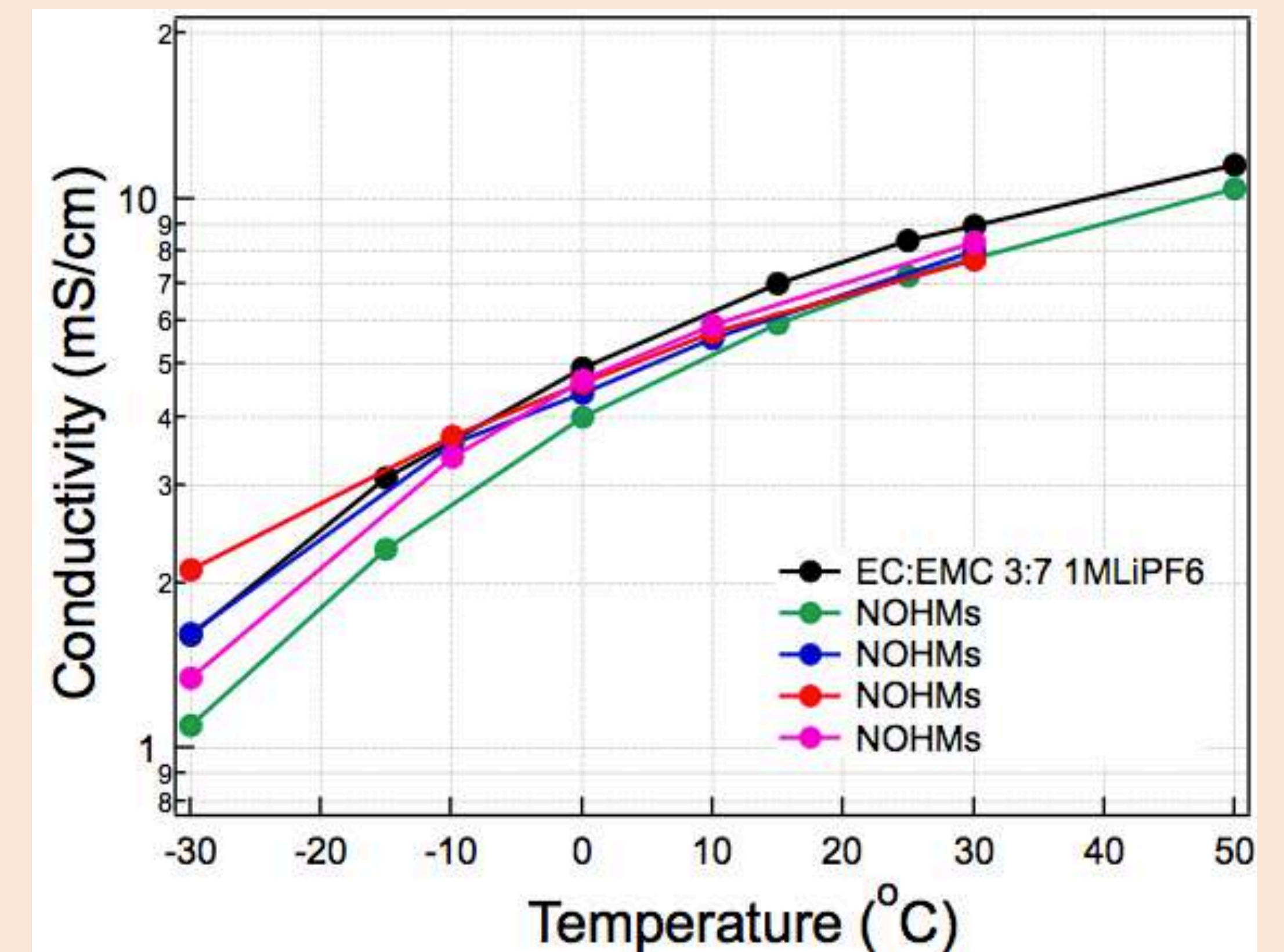
Functionalized Ionic Liquid (FIL) and NanoLyte™ HV Electrolyte for High Voltage Li-Ion Cells

NOHMs NanoLyte™ HV Electrolyte contains:

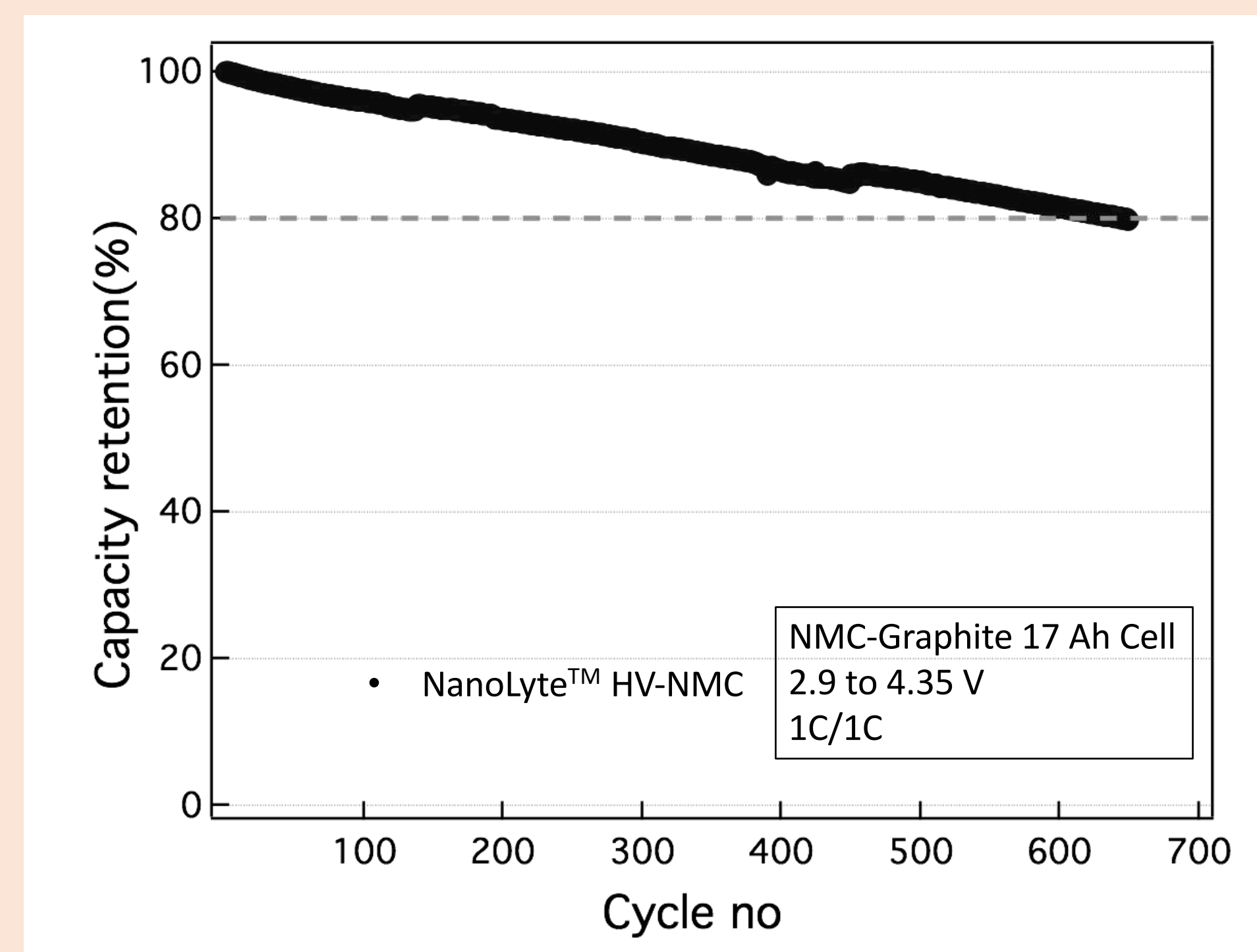
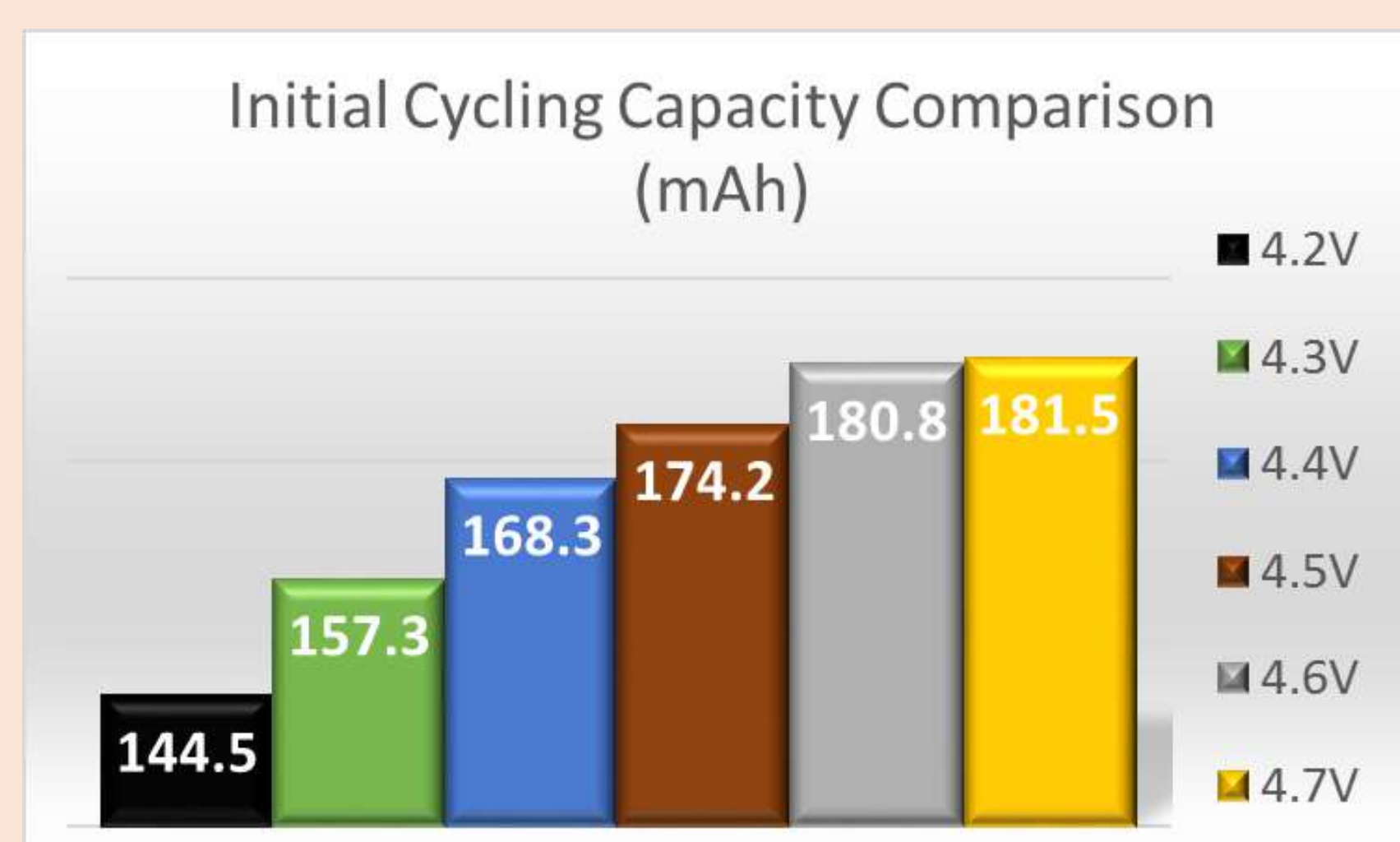
- NOHMs' Functional Ionic Liquid < 10%
- Carbonate co-solvents, additives, and LiPF₆

NOHMs NanoLyte™ HV Electrolyte for High Voltage Cells 4.35-4.5 V

- Anodes: Graphite
- Cathodes: NMC, LCO, NMO
- Excellent high voltage cycling, even at elevated temperatures

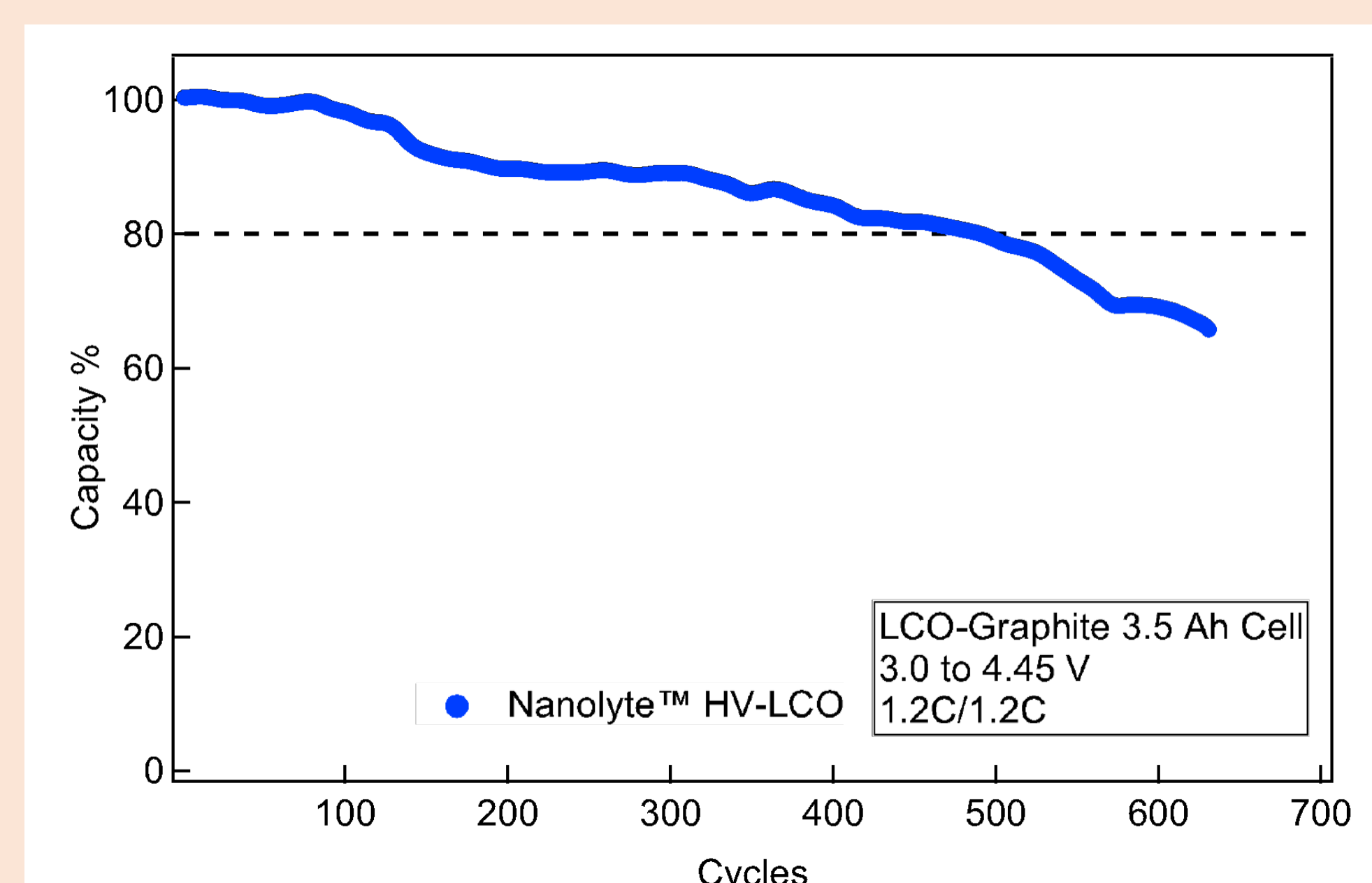
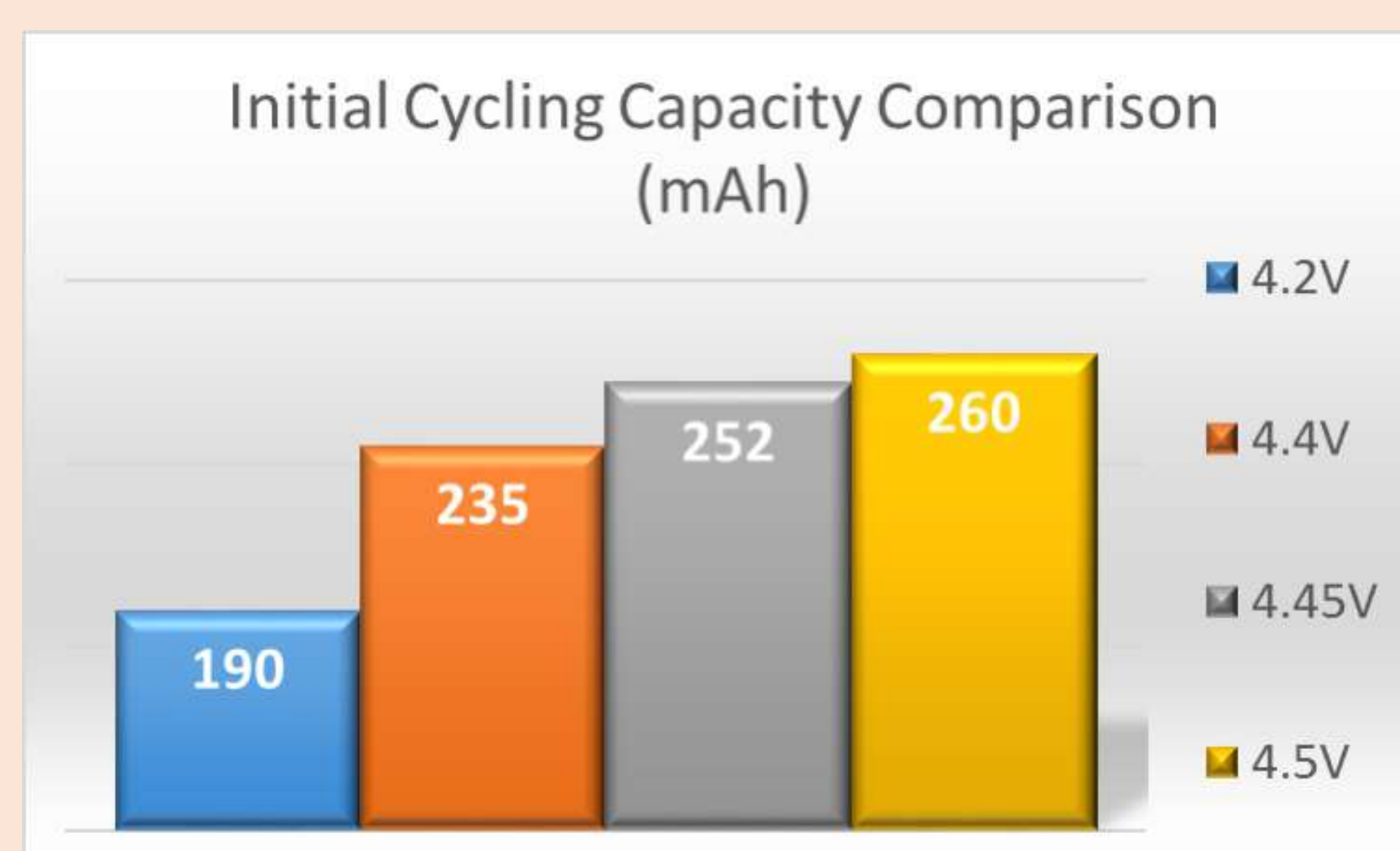


Case Study #1: Improving 4.35 V cycle life stability for 17 Ah NMC 532 cells



- 15% capacity improvement for 17Ah NMC 532 / graphite cell when charged to 4.35V, compared to 4.2V.
- This cell has more than 600 cycles to 80% capacity at 45 °C (shown), and passes -30 °C PHEV cold crank protocol.

Case Study #2: Improving 4.45 V cycle life stability for 3.2 Ah LCO cells



- 35% capacity improvement for 3.5Ah LCO / Graphite cell when charged to 4.45V, compared to 4.2V.
- This cell has more than 400 cycles at 1.22C rate.