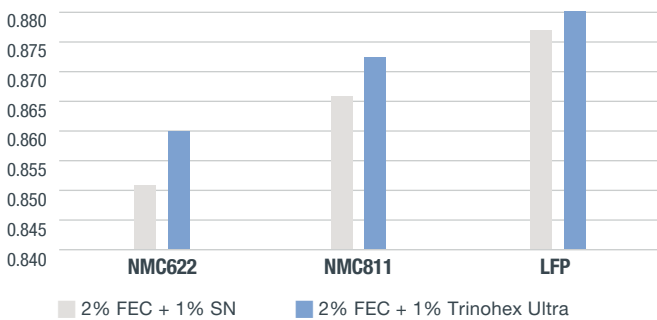


Better battery performance with Trinohex™ Ultra

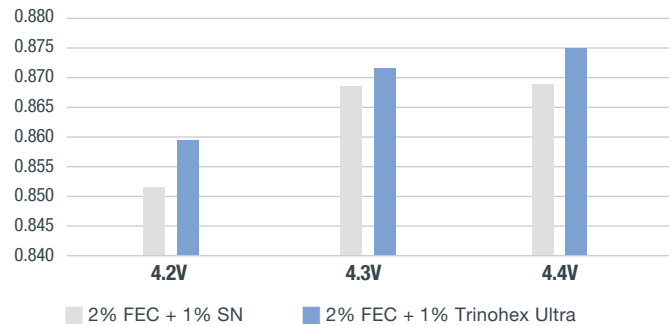
Revolutions in energy production and mobility rely on improved battery performance to increase adoption. Trinohex™ Ultra improves battery performance across cathode and electrolyte chemistries.

In third-party tests, Trinohex Ultra improved first-cycle coulombic efficiency across cathode and electrolyte chemistries and voltages. A higher coulombic efficiency means the battery charges and discharges power with minimal loss.

FIRST CYCLE COULOMBIC EFFICIENCY (%) 4.2V

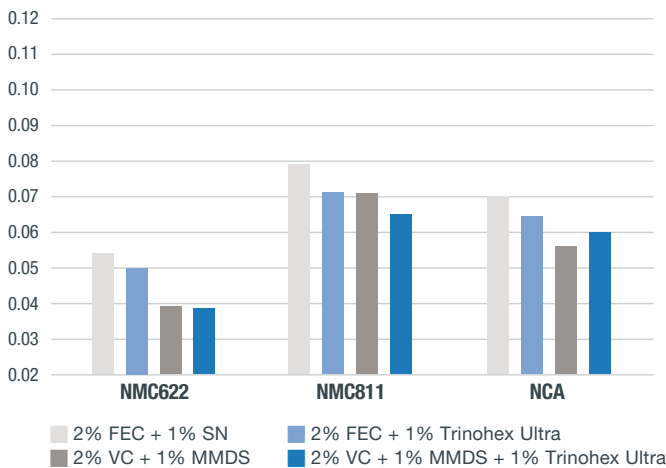


FIRST CYCLE COULOMBIC EFFICIENCY (%) NMC622

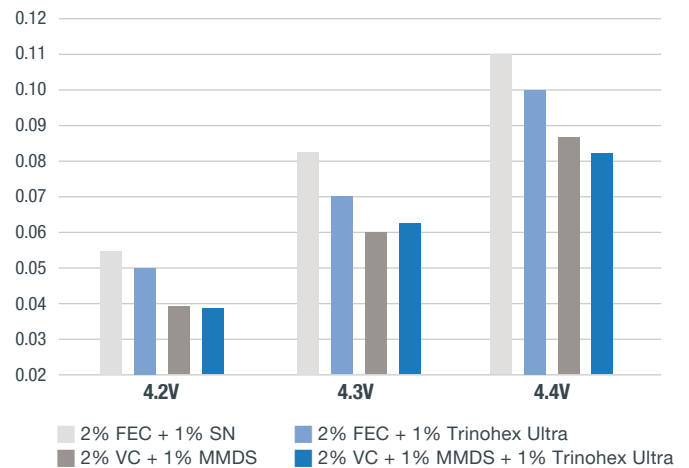


Similarly, adding Trinohex Ultra to electrolyte solutions improved first-cycle open-circuit voltage drop in NMC622, NMC811 and NCA cathode batteries and at higher voltages. Lower OCV drops in the first cycle signify reaction stability and contribute to larger overall battery capacity.

OCV DROP (V) 4.2V



OCV DROP (V) NMC622



For more information, contact our expert application specialists or visit ascendmaterials.com/specialtychemicals

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