

# Better battery performance with Trinohex<sup>®</sup> Ultra

Revolutions in energy production and mobility rely on improved battery performance to increase adoption. Trinohex<sup>™</sup> Ultra acts as a cathode-electrolyte interface and improves battery performance across cathode and electrolyte chemistries.

In third-party tests, adding Trinohex Ultra to electrolyte solutions with industry standard additives 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



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



## FIRST CYCLE COULOMBIC EFFICIENCY (%) NMC622



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

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