

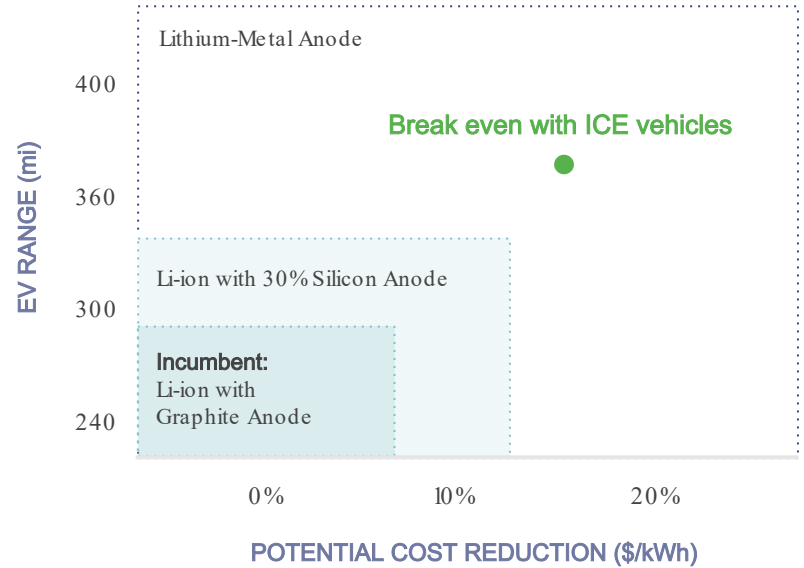


Materials Development for Advanced Lithium Batteries

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Scientific Manager

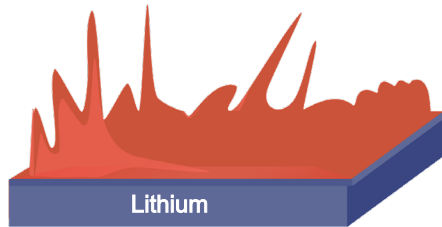


Lithium metal is needed for EVs to break even with Internal Combustion Engine vehicles



PROBLEM

NO MEMBRANE



Lithium metal anodes form dendrites during charging that cause fires

SOLUTION

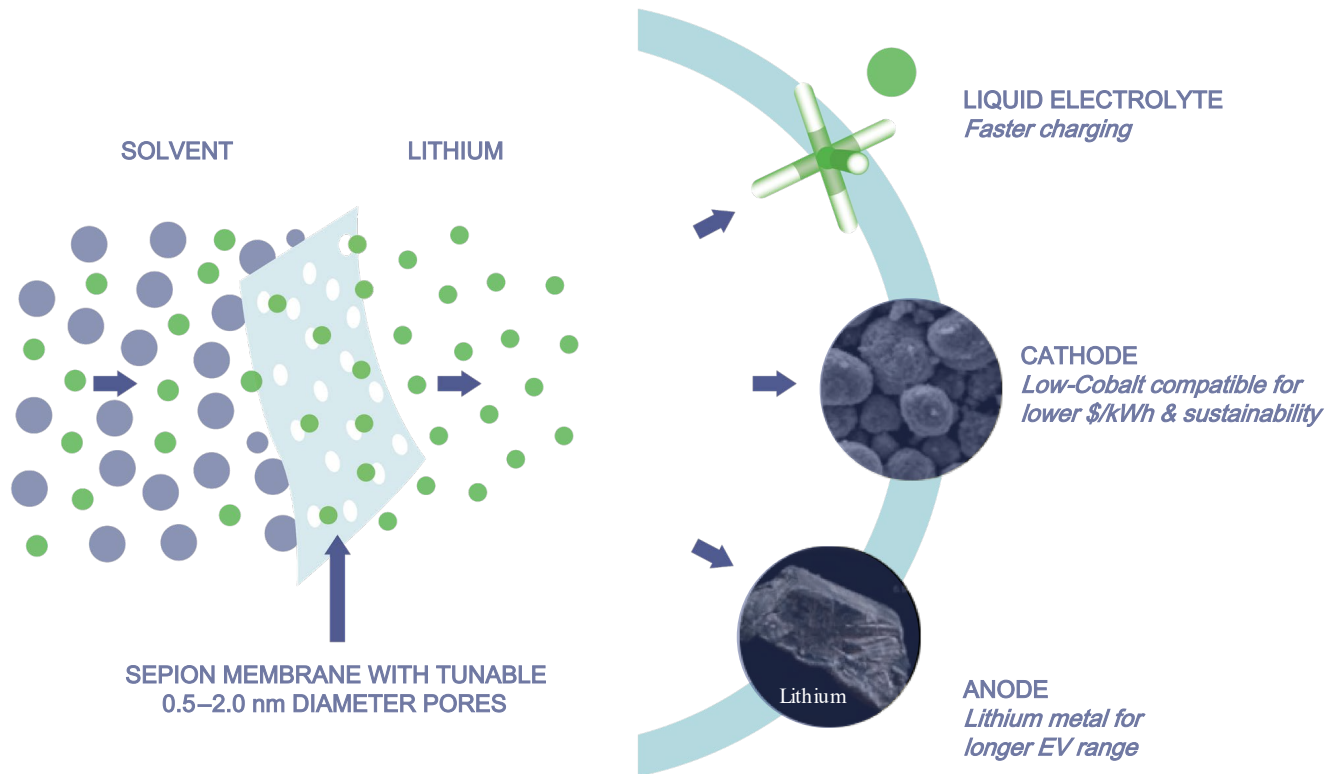
SEPION MEMBRANE



Sepion's nano-porous membrane reduces dendrites for safe recharging

Pioneering Separator Innovation Beyond Safety & Power

Our nano-porous membrane unlocks synergies between separator, electrolyte, and active materials for nextgen batteries.



WHAT WE DELIVER + OUR DESIGN

40% improvement in range

15% reduction in \$/kWh

Li-ion Gigafactory compatible Mfg

Faster payback on Mfg CapEx

Capital-efficient scaling with R2R Mfg



Membrane Coated Separator
Sepion design & outsource Mfg

Electrolyte
Sepion design & license

Li-metal Anode
Commercial Foil

NMC Cathode
Industry Standard

Pouch or Cylindrical Cell Format
Industry Standard

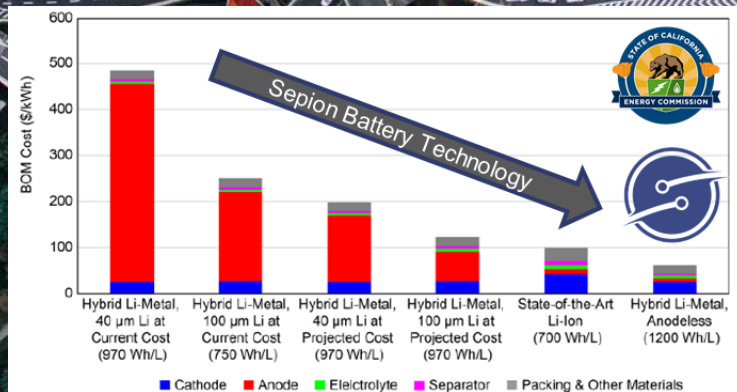
Driving EV Adoption in California

We are united by a passion to sustainably power humankind.

Current EV market growth trends project a 12% year-over-year increase in EV adoption

If these trends hold, **California will only achieve half** of its 100% EV adoption goal by 2035

Sepion's design will **enable the pivotal change in EV cost and performance** required to accelerate EV adoption and meet California's 100% ZEV and clean energy goals



Executive Order
N – 79 – 20
100% ZEV by 2045



Open for Questions!

For more information, contact
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