



# Inventor of solid state battery

What is a solid-state battery?

Solid-state batteries are a transformational extension of lithium-ion batteries capable of 10x higher energy density because they allow the use of a pure lithium metal anode. With further development they can outperform conventional rechargeable batteries by 500% or more in terms of energy density with significantly higher voltage.

Could a true all-solid-state battery transform energy storage?

After nearly three decades of self-funded, against-all-odds research, the Hall of Fame inventor and his team have delivered a game-changer: A true all-solid-state battery that is safer, more powerful, and cheaper than today's standards--meaning it has the potential to transform energy storage for electric vehicles, renewable power and more.

What are the benefits of solid-state battery technology?

From a consumer perspective, the key benefits of stable solid-state battery technology is mainly more energy per charge, meaning that devices can last much longer or cars can go much further without having to be recharged. They also allow up to six times faster charging, and much longer cycle life by many years. Safety is another huge benefit.

Is a true all-solid-state battery a game-changer?

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Who's working on a new solid-state electrolyte?

Professor Freeman, who also sits as chairman of EnergyX's Science Advisory Board, as well as his group of PhD's, and Goodenough's lab are working in close collaboration and proximity with EnergyX to develop new solid-state electrolytes.



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