



Colorado solid state battery

Does solid power have a solid state battery?

A Solid Power official holds a sample of the solid electrolyte-coated aluminum foil at the heart of the company's solid state battery technology, seen during a press tour of the company's Louisville headquarters on Thursday, Dec. 13, 2018. (Photo by Andy Colwell, Special to The Colorado Sun)

What makes solid power a good battery?

Their technology swaps the flammable liquid in lithium-ion cells with a solid, sulfide-based electrolyte that is safer and more stable across a broad temperature range. Solid Power's cells also easily outpace the conductivity and energy density of today's best rechargeable batteries.

What is a solid-state battery (SSB)?

As their name suggests, solid-state batteries (SSBs) differ from conventional batteries in that the electrolyte powering them is a solid material instead of a gel or liquid. That gives SSBs many advantages over lithium-ion batteries now widely used in electronics, toys, appliances and--critically--electric vehicles (EVs).

Are SSB batteries better than lithium ion batteries?

That gives SSBs many advantages over lithium-ion batteries now widely used in electronics, toys, appliances and--critically--electric vehicles (EVs). At the time Lee and Stoldt turned their attention to it, work on SSBs in most parts of the world had largely been shelved for decades in lieu of liquid cell (lithium-ion) technology.

Solid Power is an industry-leading developer of next-generation all-solid-state battery technology. With considerably higher energy and greatly improved safety, all-solid-state batteries have the potential to revolutionize future mobile power ...

Solid Power is developing solid-state battery technology to enable the next generation of batteries for the fast-growing EV and other markets. Solid Power's core ...

What began as an idea "bootstrapped" in their own labs, said Stoldt, is now Louisville, Colorado-based Solid Power--an industry-leading developer of next-generation all ...

Solid Power, with a smaller production facility in Louisville, is one of several, including startups and large auto manufacturers, striving to commercialize solid state batteries.

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A Colorado company's solid-state battery technology is now powering a BMW vehicle hitting the test track in Munich, marking a significant milestone for electric cars.



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Discover how Solid Power pioneers next-gen solid-state batteries for electric vehicles and grid storage, and explore its R& D roadmap.

The cell manufacturing processes we have developed are already used globally for high volume traditional lithium-ion battery cell production, which we anticipate will enable manufacturers of ...

The federal grant for Solid Power, announced Friday, will allow the company to expand to a continuous manufacturing line in Colorado of the sulfide-based solid electrolytes to ...

Solid Power is developing solid-state battery technology to enable the next generation of batteries for the fast-growing EV and other markets. Solid Power's core technology is its electrolyte material, which Solid Power ...

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6 · Solid Power Inc., headquartered in Louisville, Colorado, pioneers all-solid-state battery technology with proprietary sulfide-based electrolytes. Offering higher energy density and ...

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