HJ Solar Energy

Solid state battery startup

Overview

A team of scientists working for Bonn-based company High Performance Battery (HPB), led by Prof. Dr. Günther Hambitzer, has achieved a decisive breakthrough in battery and storage technology with the development of the world’s first solid-state battery with outstanding properties to.

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This article highlights five innovative growth-stage solid state battery startups that are using new technologies to address the limitations of traditional as well as revolutionary (solid state) batteries. These startups have the potential to grow rapidly, are in a good market position, or can.

These startups develop new batteries for vehicles, homes and devices. Tesla accelerates the transition to electric mobility with a full range of increasingly affordable electric cars. Tesla also produces Solar Roof, home batteries and operates large solar stations with energy storage. Northvolt.

Solid-state battery technology is being hailed as a potential game-changer for the electric vehicle (EV) industry. It promises significant advantages over traditional lithium-ion batteries, including better energy storage, faster charging times, and improved safety. This has spurred numerous.

There are 12 start-ups with an aggregate funding of $1.6b. The average funding per company in this subset is $137.4m. Last update to the database: Aug 19, 2025. See changelog. Seedtable uses technology and people to track over 71,000 companies to help you find the right ones to partner with. A.

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Explore our analysis of 82 global startups & scaleups and learn how their solid-state batteries impact your business! Reignite Growth Despite the Global Slowdown Staying ahead of the technology curve means strengthening your competitive advantage. That is why we give you data-driven innovation. What is a solid-state battery?

Solid-state batteries (SSB) are emerging as a more energy-dense and safer alternative. These batteries use solid metals, polymers, or glass as electrodes and provide higher mechanical and thermal stability and cyclability. Ampcera is a US-based startup that develops solid-state batteries as well as materials for them.

Are solid-state batteries the future of energy storage?

Solid-state batteries (SSBs) are poised to transform energy storage, particularly in the EV industry. Unlike conventional lithium-ion batteries that use liquid or gel electrolytes, SSBs rely on a solid electrolyte, offering significant performance and safety improvements.

Who makes solid-state batteries?

Contemporary Amperex Technology Co., Limited (CATL), the world's largest lithium-ion battery manufacturer, is making significant strides in solid-state battery development. With more than 1,000 researchers dedicated to the technology, CATL has invested in solid-state batteries for nearly a decade.

Are solid state batteries a viable alternative to conventional batteries?

One promising solution to these challenges is solid state batteries. Unlike conventional batteries, solid-state batteries use solid electrolytes and are non-flammable. These batteries can operate at higher voltages, offering the potential for significantly higher energy densities.

Is solid-state battery technology a game-changer for the EV industry?

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Are solid-state batteries able to be printed?

Unlike liquid batteries, the chemistries of solid-state batteries are amenable to

printing techniques. This opens up applications ranging from miniature sensors to wearable electronics. Australian startup Printed Energy offers thin and flexible printed batteries and photovoltaics.

Solid state battery startup

[Solid State Lithium Ion Batteries Startups]

There are 69 Solid State Lithium Ion Batteries startups which include Ion Storage Systems, Solid Power, QuantumScape, Factorial Energy, Cuberg. Out of these, 44 startup s ...

15 Companies Relentlessly Working On Solid State Batteries

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[Texas-Based Solid-State EV Battery Startup Lays Out ...]

The latest one to cross the CleanTechnica radar is Solidion Technology, which is showcasing a new solid-state EV battery platform and a green graphite anode sourced from biomass.

[Top 139 Startups, developing energy-efficient batteries]

Solid Power Country: USA , Funding: $437.2M Solid Power is an industry-leading developer of the next-generation of all solid-state

rechargeable batteries.

German start-up develops the world?s first solid-state battery ...

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[Top 10: Solid-State Battery Developers , EV Magazine]

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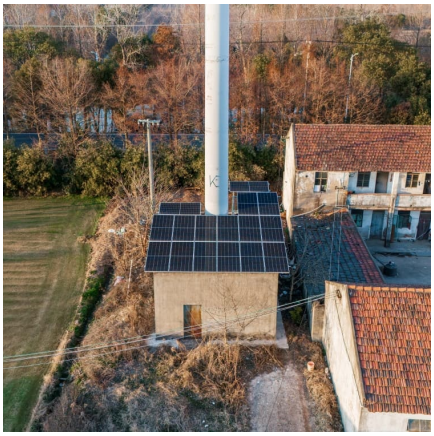

[Startup unveils next-gen battery breakthrough that ...]

Automaker Stellantis and Massachusetts-based battery startup Factorial Energy have announced validation of a new solid-state electric vehicle battery that could be a game-changer for the industry.

Startup unveils next-gen battery breakthrough that could take ...

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[12 Best Solid State Battery Startups to Watch in 2025]

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15 Companies Relentlessly Working On Solid State Batteries

Solid-state batteries are the next big thing in the EV industry, and here are 15 automakers are battery manufacturers striving to make a mark.

[Top 10: Solid-State Battery Developers , EV Magazine]

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[Top 5 Solid State Battery Startups to Watch in 2025]

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