

Schaeffler solid state battery





Overview

Is Schaeffler a solid-state EV battery?

At the upcoming CES 2024, supplier Schaeffler Americas will display a “next-generation” all-solid-state EV battery. Solid-state advantages include 40% better energy density than existing battery technologies, as well as much longer range, and no need for rare materials like cobalt to be mined in China or The Congo.

Why is Schaeffler developing a solid-state battery?

“Schaeffler is developing the next generation of all solid-state battery technology to support the automotive industry’s transition to electric mobility,” said Schaeffler CTO Jeff Hemphill.

Will Schaeffler unveil a new EV battery at CES 24?

The crowded field of solid state energy storage technology is about to get a little more crowded next year, when the German automotive supplier Schaeffler will reportedly unveil its new solid state EV battery at CES 24. If the first two words that come to your mind are “Schaeffler” and “who,” join the club.

Will Schaeffler Americas make a 'next-generation EV battery?

The company wants 45% of its manufacturing output in 2030 to be products that did not exist in 2020. But the prototype Schaeffler Americas will show at CES 2024 that caught our attention is what its chief technology officer, Jeff Hemphill, described as a “next-generation” all-solid-state EV battery.

Are solid-state batteries a new technology?

“All solid-state batteries (ASSB) are an essential new technology because of their potential to revolutionize energy storage. These batteries offer higher energy density, granting devices and vehicles longer operational durations while providing an opportunity for fast charging,” Schaeffler enthuses.



Will Schaeffler make a new Acura NSX battery pack?

Schaeffler is already a component supplier to Honda. Wouldn't all-solid-state make a nifty battery pack for a new Acura NSX?

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Schaeffler surprises the industry with near production ready Solid

At the 2024 Consumer Electronics Show (CES), the company unveiled a prototype solid-state battery cell, demonstrating its ambition to become a frontrunner in this ...

[Unexpected company threatens major EV automakers ...](#)

Schaeffler, an automotive and industrial parts maker (mostly bearings), showed up to a Las Vegas tech showcase in January as an electric vehicle battery outsider with a unique prototype being hyped by a company ...



[Schaeffler to show silicon solid state battery](#)

German tier one supplier Schaeffler is planning to show solid state battery cells at the CES show in the US next week. Sample cells of Schaeffler's



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[All solid-state batteries , Schaeffler Group USA Inc.](#)

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[The Future of EV Batteries: Toyota and Schaeffler's ...](#)

Schaeffler and OSU's partnership under the SHARE program focuses on all solid-state electrolyte battery development, hinting at a potential leap in battery technology.



The Future of EV Batteries: Toyota and Schaeffler's Race for Solid

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Solid-State Batteries Present Opportunity to Increase ...

Dr. Rashid Farahati, Ph.D., Director, Corporate Competency Center Americas, Schaeffler, is leading the company's development of next-generation solid-state batteries.

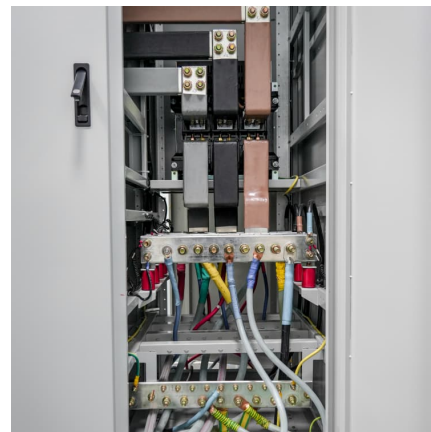


Solid-State Batteries Present Opportunity to Increase EV Market

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[Interview: Schaeffler's New Permanent-Magnet-Free ...](#)

Schaeffler is now about three years into the solid-state journey. Today's lithium-ion batteries have allowed us millions of electric cars on the road, but the industry is still battling with several issues.



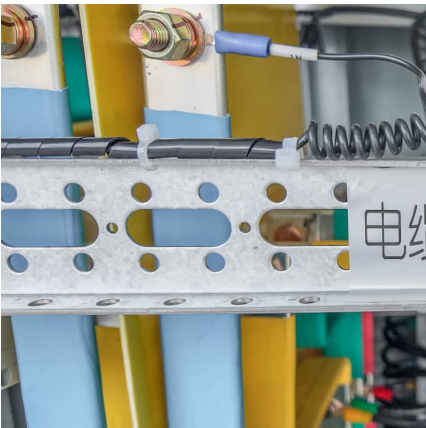
Elegant Solid State EV Battery To Be Unveiled At CES 2024

The automotive supplier Schaeffler teams up with Honda and The Ohio State University to push a new solid state EV battery out of the lab.



[Schaeffler to Showcase Automotive Advancements in...](#)

A highlight of Schaeffler's product portfolio at the show will be a new All-Solid-State Battery (ASSB) cell and module pack concept, which integrates the required stack pressure needed for ASSB cells in electric vehicles.



Interview: Schaeffler's New Permanent-Magnet-Free Motor and ...

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