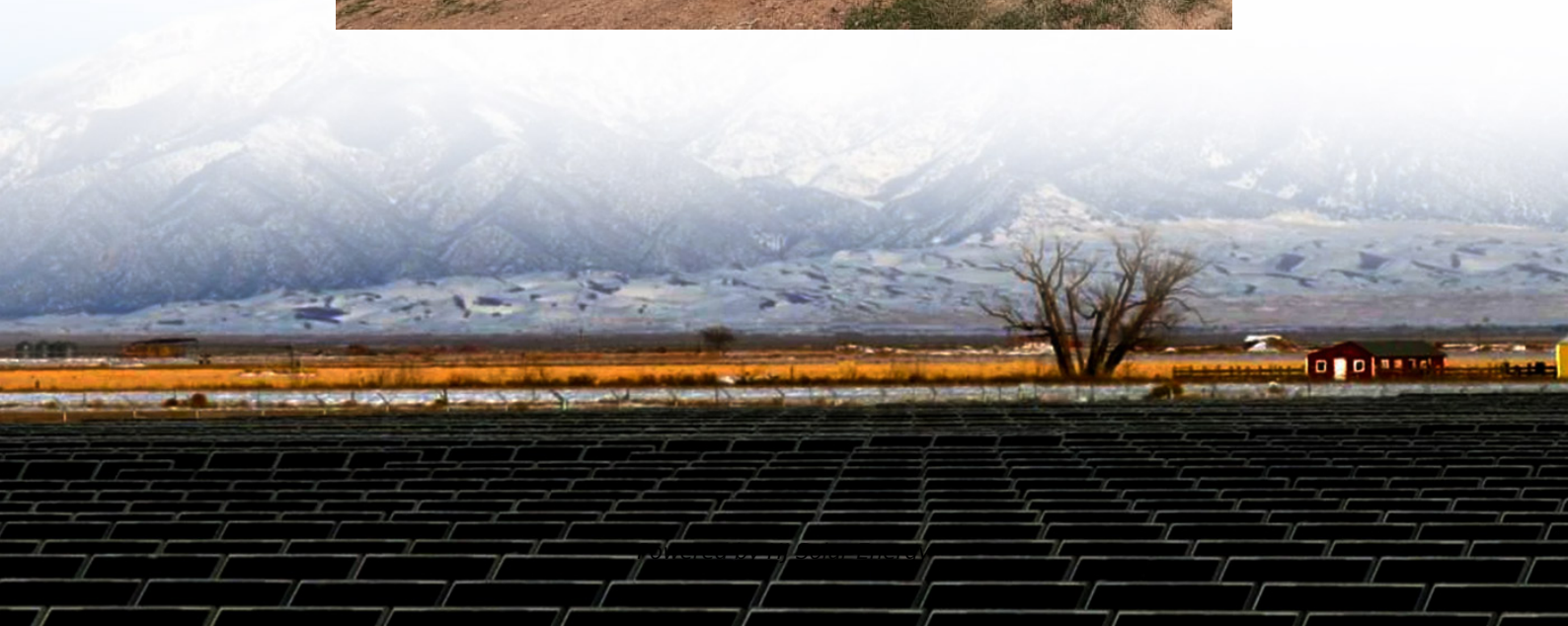


# **Audi solid state batteries**





## Overview

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It has been more than two years since former Audi CEO Markus Duesmann announced that after 2026, the automaker will develop only battery-powered models. Audi's plan is to have more than 20 fully electric models in its portfolio by 2025. The carmaker has already started down this road by investing.

High safety, sustainable life cycles, resource-efficient recycling – Audi takes a holistic approach to batteries, because lithium-ion batteries are the heart of electric cars. The Premium Platform Electric (PPE), developed jointly with Porsche, is a key component for the expansion of the global.

This week, in a technology update held just before the company's Volkswagen Group Annual Conference, the global automaker and its battery-making PowerCo startup shared a closer look at how these unified cells will be packaged in upcoming EVs from VW, Audi, Cupra, and several of its other brands, in.

The rolled technique leaves unused pockets in the corner of each rectangular battery cell. Experts at Audi are rearranging the furniture in their electric vehicle battery cells to better utilize the space. It's stacking up to be a great move that will increase efficiency, provide for greater range.

If you're even slightly interested in electric cars, chances are you've heard that solid state batteries are the future, coming to save us from range anxiety and the slow decline in power retention that current lithium-ion batteries face.



But that might not be what really happens if senior.

Audi presented their fully electric supercar concept featuring solid-state batteries at the Pebble Beach Automotive Week in Monterey, California. Named the PB18 e-tron, the study is a true look forward. While Audi is still working on the serial production version of the e-tron quattro, the company. Does Audi use solid state batteries?

In the process, Audi is pursuing battery technology that optimizes energy efficiency. Its primary focus for innovation is solid state batteries, which use solid electrolytes instead of liquid. The brand designs, develops, and checks battery cells and battery components on its own at its battery testing center in Gaimersheim, Germany.

What is a solid state battery?

This tech is most commonly found in BYD's Blade batteries and entry-level Teslas. Solid state batteries are lighter, use fewer materials, provide a longer range and are less dangerous, though their development is proving slow and they're certainly not going to be cheap.

Where are Audi batteries made?

At its battery testing site in Gaimersheim, Audi also runs a construction facility for prototype batteries. Here, employees build the high-voltage batteries from the ground up all the way to pre-series production.

Will Audi develop only battery-powered cars in 2026?

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Why does Audi use lithium-ion batteries?

High safety, sustainable life cycles, resource-efficient recycling - Audi takes a holistic approach to batteries, because lithium-ion batteries are the heart of electric cars. The Premium Platform Electric (PPE), developed jointly with Porsche, is a key component for the expansion of the global portfolio of all-electric Audi models.

Will Audi use LFP batteries for mass production?



But the wider Volkswagen Group and rivals like Toyota or Hyundai Motor Group may end up going with another tech for their mass production models. Despite VW currently running a program with its battery company PowerCo to determine the viability of solid state, Audi is apparently looking into ways to use LFP batteries in a more efficient way.



## Audi solid state batteries

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### **Solid-State Batteries Offer Audi the Chance to Build High ...**

Audi is doubling down on solid-state batteries as it prepares its electric high-performance supercar. Solid-state batteries offer higher power density for their size than ...

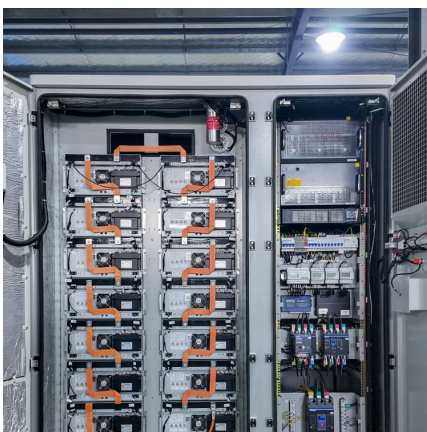
### [Audi presents solid-state battery supercar](#)

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### **Audi made its densest EV batteries yet , Popular Science**

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### **Solid state batteries are not the game-changing future ...**

While it seems like some brands are holding back releasing a stable of EVs before the advent of mass production solid state batteries, senior



engineers at the launch of the new Audi Q6 e-tron say it's unlikely solid state ...



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### Battery technology

They are powered by used batteries taken from test vehicles in the Audi e-tron test fleet. The aim of the project is to explore how modules made with high-voltage batteries ...





### **Volkswagen: Promising Results From New Solid State Battery ...**

Audi parent company, Volkswagen AG, has announced that its battery startup has achieved promising results with solid-state cells for electric vehicles. This is a significant ...



### **Solid State Batteries the Basis of Extended Range Audi EV?**

The only way of extending the range is by using solid state batteries, or batteries with both solid electrodes and solid electrolytes. In this way, energy density reaches a ...

### **VW's next-gen EV batteries arrive soon: How they'll cut costs, ...**

As these unified cells arrive--soon, but on a timeline not yet detailed, especially for U.S.-market EVs--they'll bring a new battery pack layout, packaging the cells directly into ...



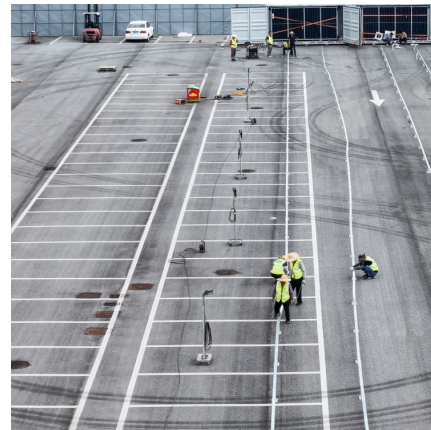
### **Audi uses innovative 'stacking technology' to develop ...**

PopSci said Audi is focusing on solid-state batteries. In this latest innovation, Audi's batteries are doing away with the "jelly-roll" floor plan in the cells in favor of a "stacking technology." In the new design, "the cells are ...



### [Volkswagen: Promising Results From New Solid State ...](#)

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[Solid State Batteries the Basis of Extended Range ...](#)

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**Audi Wants To Build An Electric Supercar With Solid-State Batteries**

Audi is considering building a fully electric supercar to rival Rimac, but existing battery technology is holding the company back.



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