

# Bmw i7 m70 solid state battery





## Overview

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The i7 M70 prototype combines existing Gen5 construction with prismatic cell modules, alongside new modules containing solid-state cells with sulfide-based electrolytes. These are being developed by Solid Power with support from BMW's in-house experts.

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Instead, the full-size luxury sedan relies on Solid Power's solid-state batteries to deliver a longer range. BMW is testing the i7 M70 in Munich to evaluate how the battery behaves in real-world conditions. Although range figures aren't disclosed, it's safe to assume the engineers are aiming for.

The BMW Group is bringing large-format, pure ASSB cells from Solid Power to its test vehicle, a BMW i7, which is being operated in the Munich area. The potential benefits of ASSB technology: higher energy density in a very compact storage system compared to current technologies. Since 2022, the BMW.

BMW has a new test car — an i7 M70 fitted with an entirely new solid-state battery pack. The company is currently conducting real-world testing in Munich with the sedan to evaluate how the experimental battery cells perform in the real world. Of course, one of BMW's goals with the solid-state.

Today, we feast our eyes on the result: a BMW i7 M70 fitted with solid-state batteries that were reportedly developed via the partnership. Interestingly, the solid-state batteries here have more in common with the EVs BMW currently sells, rather than the upcoming Neue Klasse (NK) models. NK.

The BMW i7 prototype combines Gen 5 battery design with new all-solid-state battery modules developed in partnership with Solid Power. So you want to be an engineer?



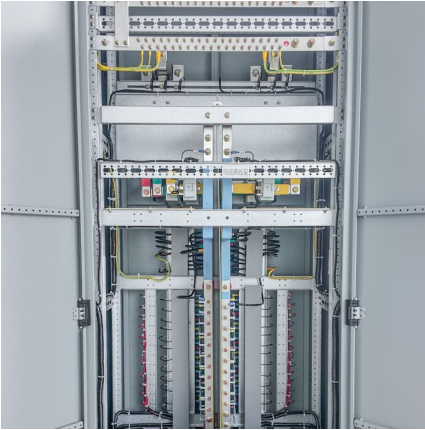
Learn the skills that matter BMW i7 with all-solid-state battery cells from Solid Power on the road. The BMW Group is testing a new.

BMW and Solid Power are testing all-solid-state battery cells in a BMW i7 prototype in Munich, integrating sulfide-based electrolyte cells in BMW's Gen5 modules; road trials will guide pack integration and performance enhancements. The BMW Group and Solid Power have begun testing large-format.



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### [BMW and Solid Power Test All-Solid-State Batteries ...](#)

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### **BMW tests all-solid-state battery for extended range in ...**

BMW is testing large-format all-solid-state batteries from Solid Power in its i7 to unlock higher energy density and longer EV range.



### [BMW i7 prototype harnesses solid-state battery](#)

Announcing that the limo is fitted with its latest all-solid-state-battery (ASSB) cells developed in conjunction with US-based Solid Power, the new batteries are set to be ...



### BMW's Solid-State Battery Test: A Game-Changer for MINI EVs

BMW has begun real-world testing of all-solid-state battery cells in an i7 M70 prototype, focusing on cell expansion management, temperature regulation, and pressure control



### BMW i7 prototype harnesses solid-state battery

Announcing that the limo is fitted with its latest all-solid-state-battery (ASSB) cells developed in conjunction with US-based Solid Power, the new batteries are set to be more compact than current tech, while being lighter ...



????????????????,????390 Wh/kg,??? ...

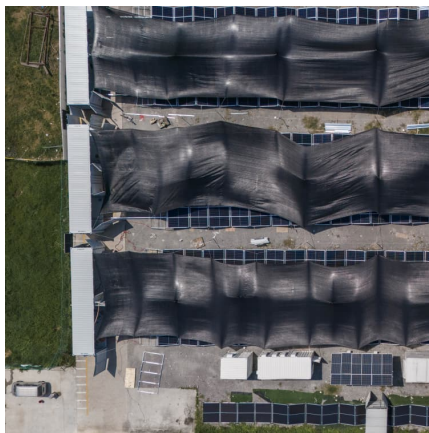
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### **BMW Group and Solid Power are testing all-solid-state battery ...**

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### **BMW tests a long-distance i7 M70 with solid-state batteries**

BMW works during work to reduce these costs and sets this electric 7-series series on road traffic in Germany in months. The i7 M70 prototype combines existing gene5 ...

### **BMW and Solid Power Test All-Solid-State Batteries in i7**

BMW and Solid Power are testing all-solid-state battery cells in a BMW i7 prototype in Munich, integrating sulfide-based electrolyte cells in BMW's Gen5 modules; road ...



### **BMW tests all-solid-state battery for extended range in i7 EV**

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