

BMW Group and Solid Power are testing all-solid-state battery cells in a BMW i7.

- BMW Group and Solid Power partnership reaches next milestone
- ASSB technology on the road for the first time
- BMW battery expertise and battery strategy ensure access to the latest battery-tech developments

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 Group and Solid Power, Inc. (Nasdaq: SLDP) have intensified their activities for the development of all-solid-state battery (ASSB) technology through their technology transfer agreement.

The BMW Group and Solid Power believe in the potential of genuine ASSB technology. With a higher energy density compared to current battery technologies, ASSB batteries have the potential to achieve longer ranges in vehicles without the disadvantages with regard to the weight of the overall storage system.

"Solid Power is extremely proud that our partnership with BMW has resulted in the first demonstration of truly all-solid-state battery cells in a vehicle," said John Van Scoter, President and Chief Executive Officer of Solid Power. "We believe in the promise of ASSB's and continue to drive innovation of our sulfide electrolyte in support of that future for EV's."

Martin Schuster, Vice President Battery Cell and Cell Module at the BMW Group, says: "Our BMW i7 ASSB test vehicle on the road is a perfect example of the BMW Group's technology-open mindset. We are continuously advancing the development of new battery cell technologies and are constantly expanding our know-how with valuable partners such as Solid Power. "

The concept battery integrated in the BMW i7 test vehicle combines proven Gen5 construction principles (prismatic cells in modules) with new, innovative module concepts for integrating ASSB cells from Solid Power.

The management of cell expansion will be investigated here. In addition: How is the operating pressure controlled and how to adjust the temperature conditions.

The use of solid power cells with sulfide-based electrolytes and their complete integration into a battery pack will provide the BMW Group with further important findings in the test program over the coming months.

The innovative cells were developed and manufactured by Solid Power in collaboration with experts from the BMW Group. Further development steps are required to implement ASSB

technology in a competitive overall storage system.

The BMW Group and Solid Power have been cooperating since 2016 through an extended "Joint Development Agreement", which was supported by BMW Group's investment in Solid Power in May 2021 as part of a financing round.

At the end of 2022, BMW and Solid Power agreed to further deepen their partnership. BMW will operate a solid cell prototype line at the CMCC (Cell Manufacturing Competence Center) in Parsdorf on the basis of a research and development license and using the experience and expertise of Solid Power.

Since 2008, the BMW Group has been steadily expanding its expertise in the area of battery cell technology. Since 2019, this know-how has been bundled at the BMW Group's Battery Cell Competence Center (BCCC) in Munich. The BCCC covers the entire value chain, from research and development to battery cell design and production capability.

In order to be able to implement innovations in battery cell technology quickly and efficiently, the BMW Group cooperates in a network of around 300 partners, including established companies, start-ups and universities.

The cooperation with Solid Power underlines the BMW Group's battery strategy -to further develop innovative battery technologies on equal footing with leading partners in the industry. This strategically strong position in the value chain ensures the BMW Group access to all new and innovative battery cell research worldwide.

The BMW Group

With its four brands BMW, MINI, Rolls-Royce and BMW Motorrad, the BMW Group is the world's leading premium manufacturer of automobiles and motorcycles and also provides premium financial services. The BMW Group production network comprises over 30 production sites worldwide; the company has a global sales network in more than 140 countries.

In 2024, the BMW Group sold over 2.45 million passenger vehicles and more than 210,000 motorcycles worldwide. The profit before tax in the financial year 2024 was € 11.0 billion on revenues amounting to € 142.4 billion. As of 31 December 2024, the BMW Group had a workforce of 159,104 employees.

The economic success of the BMW Group has always been based on long-term thinking and responsible action. Sustainability is a key element of the BMW Group's corporate strategy and covers all products from the supply chain and production to the end of their useful life.

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BMW Group Latin America

BMW Group is a leader in premium individual mobility technology products and services in Latin America, where it markets its three brands: BMW, MINI, and BMW Motorrad. BMW is the top-selling premium automotive brand in Latin America, with more than one in three vehicles sold in the region. In 2024, the brand has sold 42,886 units. MINI has sold 6,383 units in the same period. BMW Motorrad has sold 27,742 motorcycles in the region, setting a sales record. BMW is the best-selling premium brand in Brazil, Mexico, and Importer Markets. BMW Motorrad has achieved record sales and now has three of its 15 main global markets in Latin America: Brazil, Mexico, and Importer Markets. BMW Group's Open Technology Approach enables a gradual transition to electromobility, offering customers the choice between battery-electric, plug-in hybrid, or combustion powertrains. More than 20% of BMW Group's sales in Latin America consist of electric or plug-in hybrid vehicles. BMW Group has delivered approximately 80,000 personal or corporate charging units across the region.

The Group has 5,000 employees in the Latin American region. Its sales offices are located in Argentina, Brazil, and Mexico (where the regional office is based). BMW Group's production plants in the region are located in Brazil and Mexico. Brazil operates two plants: one in Araquari, Santa Catarina, focused on automobile production, where BMW X5 PHEV production began in 2024. The other plant in Manaus, Amazonas, is the first facility to manufacture motorcycles outside of Germany. In Mexico, a one-billion-dollar investment was announced in July 2014 for the construction and operation of a BMW Group plant in San Luis Potosí. This production site began operations in 2019 with the production of the BMW 3 Series; in 2021, an expansion was announced to include the manufacturing of the BMW 2 Series Coupé, and in 2022, the BMW M2, both exported worldwide. Starting in 2027, the San Luis Potosí Plant will incorporate electric vehicle and battery production with an \$800 million investment.

As additional information, Brazil has an engineering team to support global developments, regional challenges, and customer support organization, providing consumer assistance.

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