



# Microvast solid-state battery technology

What types of batteries does Microvast offer?

The company currently offers three primary products - battery cells, modules, and systems. Its battery cells retail in three different configurations: In addition, Microvast retails three types of battery modules - VDA Size Standard Module, 355 Size VDA Module, and 590 Size VDA Module.

What makes Microvast a good battery company?

Microvast's battery solutions are powered by its broad, proprietary intellectual property portfolio that spans all four major battery components and is fully owned and protected by more than 550 patents.

Can Microvast batteries be used in commercial vehicles?

As part of this collaboration, FPT Industrial will manage the mechanical and thermal integration of Microvast batteries into the corresponding commercial vehicles - in this case with the Iveco Bus Crossway LE (Low Entry) for a city and intercity bus in low-floor design.

What is a Microvast electrolyte separator membrane?

Microvast has developed its all-solid electrolyte separator membrane based on an advanced polyaramid separator, which is non-porous and tailored specifically for solid-state applications.

What is Microvast's bipolar stacked ASSB?

The cross-sectional analysis visualization of Microvast's bipolar stacked ASSB. (Graphic: Business Wire)  
Unlike conventional lithium-ion (Li-ion) or semi-solid-state batteries, Microvast's ASSB uses a bipolar stacking architecture that enables internal series connections within a single battery cell.

What is a solid-state battery separator?

The separator ensures ionic conductivity, structural stability, and long-term durability, addressing one of the most critical technical challenges in solid-state battery technology. It supports stable high-voltage operation without compromising safety or long-term reliability.



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