



Factorial Earns UN 38.3 Certification to ship 100Ah Lithium-metal Solid-State Battery

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Company becomes first to announce certification for large format cells



WOBURN, Mass.--([BUSINESS WIRE](#))--[Factorial](#) Inc. (Factorial), an industry leader in the development of solid-state battery technology for electric vehicle (EV) applications, announced it has received the United Nations (UN) 38.3 safety certification for its large format automotive solid-state batteries. This marks a milestone achievement, making Factorial the first Li-metal solid-state battery maker to successfully receive certification that covers 100+Ah cell.

The UN 38.3 standard is a globally recognized requirement for the safe transportation of lithium-ion and lithium-metal batteries. It involves a series of rigorous tests, which are performed by a third-party agency, including crush, thermal, vibration, shock, external short circuit, altitude simulation, and forced discharge. These tests ensure the batteries can withstand various conditions without any hazardous risks and are mandatory for batteries that are transported by air, sea, or land. and was performed by a third-party agency.

“Receiving the UN 38.3 safety certification shortly after our [CES preview](#) of 100+Ah cell, is a huge accomplishment and signals that we are on the right track to building safer high energy density batteries,” said Siyu Huang, CEO of Factorial Energy. “This certification further demonstrates our focus on not only performance, but safety. We look forward to delivering 100+Ah batteries to our partners with the safety certification accomplished.”

Factorial is revolutionizing the battery industry with its proprietary FEST® (Factorial Electrolyte System Technology) solid-state battery, providing safer and up to 50% higher energy density batteries compared to lithium-ion batteries. This UN 38.3 certification enables Factorial to ship its 100+Ah cells globally to customers and partners, bringing the product another step closer toward achieving automotive qualification.

About Factorial Inc.

Based in Woburn, Massachusetts, Factorial Energy is developing breakthrough solid-state batteries that offer longer range per charge and increased safety and aim to be cost competitive with conventional lithium-ion batteries. The company's proprietary FEST® (Factorial Electrolyte System Technology) leverages a solid electrolyte material, which has the potential to enable safe and reliable cell performance with high-capacity cathode and anode materials. FEST® has been scaled in 100Ah cells, works at room temperature, and is compatible with existing lithium-ion battery manufacturing equipment. The company has entered into joint development agreements with Mercedes-Benz, Stellantis, and Hyundai Motor Company. More information can be found at www.factorialenergy.com. © 2023 Factorial Inc. All rights reserved. Factorial, the Factorial logo and FEST are registered trademarks in the United States and/or other countries. Other trademarks are property of their respective owners.

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