

Factorial, SK On partner on solid-state battery manufacturing

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The companies will evaluate technical feasibility and manufacturing requirements across SK On's network of more than 200 GWh in annual capacity

Factorial Energy signed a nonbinding memorandum of understanding (MOU) with South Korean battery-maker SK On to assess manufacturing of its patented FEST solid-state battery technologies using the latter's network of more than 200 GWh in annual capacity.



Source: Getty Images/vefimov

The two companies plan to jointly evaluate technical feasibility and manufacturing requirements for Factorial's solid-state battery technologies, including whether SK On's existing lithium-ion battery infrastructure could support future development.

SK On has about 100 GWh of annual production capacity in the US. Its US footprint includes 22 GWh of capacity in Commerce, Georgia, as well as operations in Tennessee.

SK On supplies electric vehicle batteries to automotive OEMs, including Hyundai Motor Group, Ford, Volkswagen and Ferrari. The collaboration will draw on SK On's battery technology, manufacturing expertise and global manufacturing capabilities, Factorial said.

"A battery breakthrough only matters if it can be manufactured at scale," said Siyu Huang, CEO of Factorial. "That is what makes this partnership with SK On so significant. Their manufacturing footprint spans some of the world's most advanced battery facilities, and their expertise will be critical in shaping how solid-state battery technology integrates into global production ecosystems."

Factorial said the agreement reflects its capital-light approach to industrialization, focused on developing batteries that can use established manufacturing infrastructure. The company said its solid-state platforms are designed for next-generation mobility, aerospace systems and hyperscale data centers.

"This collaboration provides an opportunity to evaluate the technical feasibility and manufacturing readiness of solid-state battery technologies, drawing on SK On's battery technology and manufacturing expertise," said Ki-soo Park, head of the Institute of Future Technology at SK On. "SK On will continue to explore collaboration opportunities in next-generation battery technologies."

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CONTACTS

The Americas

+1 877 863 1306

Europe, Middle East & Africa

+44 20 7176 1234

Asia-Pacific

+852 2533 3565

www.mobilityglobal.com

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