



AMPRIUS SECURES VOLUME PURCHASE ORDER FROM PREMIER EVTOL OEM

News / Manufacturer



Amprius Technologies has exited technical engagement and moved into internal qualification, securing a purchase order from an eVTOL manufacturer for custom silicon anode cells. Amprius' advanced cells now serve all major segments of the growing aviation market for electric mobility. The eVTOL manufacturer strategically selected Amprius' cells to expand flight range and accelerate time-to-market. The custom cells are based on Amprius' ultra-high-power-high-energy lithium-ion batteries.

Kang Sun, Chief Executive Officer of Amprius, commented: "As eVTOL manufacturers strive to create safe and lightweight vehicles, one of the primary challenges is finding a battery that meets the rigorous power and energy requirements. By harnessing our innovative battery technology, we can rapidly customize our industry-leading cells, extending flight ranges by up to 50% while enhancing payload capacity. Amprius remains dedicated to commercializing high-power and high-energy battery solutions that expand application development and enhance cost-effectiveness in electric mobility."

Leveraging Amprius' advanced material system expertise, the 400 Wh/kg cell is capable of an impressive continuous discharge rate of 10C. The new cell brings unprecedented benefits to the eVTOL industry, providing unmatched propulsion power and energy to meet the rigorous demands during takeoff, cruise, and landing without sacrificing performance. In addition, the new ultra-high-power cell features ultra-fast charging capabilities, allowing it to reach 80 percent charge in six minutes or less, facilitating expanded flight operations with swift turnaround times.

The agreement is contingent upon the successful qualification of sample custom cells to be delivered later this year. Following successful qualification of the cells, the eVTOL manufacturer would receive an increased number of custom samples in early 2024 for their demonstrator integration. In parallel with the integration, Amprius expects to engage in discussion for a long-term volume purchase agreement to support the eVTOL manufacturer's pre-production units in 2025 and beyond. The future volume purchases would be supported by Amprius' Brighton, Colorado gigawatt-hour scale factory.

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