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Amprius Secures Purchase Orders from Three Premier Electric Aviation Companies for Custom 450 Wh/kg Platform Cells

Only Known Commercially Available Battery Platform Capable of Providing Power and Endurance for Stratospheric Flight for HAPS Applications in All Seasons or at Higher Latitudes

FREMONT, Calif.--(BUSINESS WIRE)-- **Amprius Technologies, Inc. ("Amprius" or the "Company") (NYSE: AMPX)**, a leader in next-generation lithium-ion batteries with its Silicon Anode Platform, today announced it has signed purchase orders with three premier electric aviation manufacturers for custom cells from the Company's 450 Wh/kg ultra-high-energy density platform for battery pack development and qualification.

This press release features multimedia. View the full release here: https://www.businesswire.com/news/home/20231106428477/en/

Amprius Secures Purchase Orders from Three Premier Electric Aviation Companies for Custom 450 Wh/kg Platform Cells (Photo Credit: Amprius)

The custom cells from the 450 Wh/kg platform were developed in collaboration with Amprius' strategic customers to address their unique HAPS (high-altitude pseudo satellite) qualification requirements and enable them to operate in highly challenging environments. With greater energy density and longer cycle life than the previous 400 Wh/kg platform, the new 450 Wh/kg cells are the only known commercially available batteries of their kind that can provide enough power and endurance for HAPS overnight stratospheric flight[1] applications and enable higher payloads and/or operation in all seasons or at higher latitudes.

"Our new family of customizable ultra-high-energy density cells offers the ability to significantly reduce weight and increase range," said Dr. Kang Sun, Chief Executive Officer of Amprius. "Amprius is proud to support the advancement of electric mobility by delivering energy density performance that is unmatched by conventional cells available on the market today."

The aviation industry continues to work diligently to enhance cell energy density and minimize aircraft weight to meet their flight objectives. The growing demand for these high-energy cells reflects the increasing need for cutting-edge batteries that offer industry-leading performance for electric mobility applications.

"Our flight missions require extremely high energy batteries to achieve our performance requirements," said Dave Corfield, CEO of Prismatic. "We greatly value the partnership with Amprius and are confident that our collaboration will result in significant advancements in our ability to provide an alternative to conventional sensing and communications systems. Partnering with Amprius, we were able to integrate their ultra-high-energy density batteries to achieve our mass targets which are critical to PHASA-35 performance.''

Commercialization of these new cells is scheduled before the end of the year. These new custom cell form factors are positioned to improve performance in aviation applications, including both high-energy drones such as HAPS, as well as high-energy storage applications for the military.

For more information, please visit the Company's investor relations website at ir.amprius.com.

About Amprius Technologies, Inc.

Amprius Technologies, Inc. is a leading manufacturer of high-energy and high-power lithium-ion batteries producing the industry's highest known energy density cells. The company's commercially available batteries deliver up to 450 Wh/kg and 1,150 Wh/L. The company's corporate headquarters is in Fremont, California where it maintains an R&D lab and a pilot manufacturing facility for the fabrication of silicon anodes and cells. To serve customer demand, Amprius recently entered into a lease agreement for an approximately 774,000 square foot facility in Brighton, Colorado. For additional information, please visit amprius.com. Also, see the company's LinkedIn and Twitter pages.

Forward-Looking Statements

This press release includes "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, each as amended. Forward-looking statements may be identified by the use of words such as "estimate," "plan," "project," "forecast," "intend," "expect," "anticipate," "believe," "seek" or other similar expressions that predict or indicate future events or trends or that are not statements of historical matters. These forward-looking statements include, but are not limited to, statements regarding the performance and potential application of Amprius' batteries, the addressable market for Amprius' batteries, and the ability and timing of Amprius to commercialize its new cells. These statements are based on various assumptions, whether or not identified in this press release, and on the current expectations of Amprius' management and are not predictions of actual performance. Actual results could differ materially from these forward-looking statements as a result of certain risks and uncertainties. These forward-looking statements are subject to a number of risks and uncertainties, including Amprius' liquidity position; risks related to the rollout of Amprius' business and the timing of expected business milestones; Amprius' ability to commercially produce high performing batteries; the effects of competition on Amprius' business; supply shortages in the materials necessary for the production of Amprius' products; and changes in domestic and foreign business, market, financial, political and legal conditions. For more information on these risks and uncertainties that may impact the operations and projections discussed herein can be found in the documents we filed from time to time with the Securities and Exchange Commission (the "SEC"), all of which are available on the SEC's website at www.sec.gov. There may be additional risks that Amprius does not presently know or that Amprius currently believes are immaterial that could also cause actual results to differ from those contained in the forward-looking statements. In addition, forward-looking statements reflect Amprius' expectations, plans or forecasts of future events and views as of the date of this press release. These forward-looking statements should not be relied upon as representing Amprius' assessments as of any date subsequent to the date of this press release. Accordingly, undue reliance should not be placed upon the forward-looking statements. Except as required by law, Amprius specifically disclaims any obligation to update any forward-looking statements.

[1] “Army Drone Stays Aloft for 64 Days.” AUSA, August 24, 2022. https://www.ausa.org/news/army-drone-stays-aloft-64-days.

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