

Amprius Technologies, an industry leader in next-generation lithium-ion batteries has supplied its SiMaxx A-Sample EV Cells to the United States Advanced Battery Consortium LLC (USABC). The SiMaxx A-Sample EV Cells are based on silicon nanowire battery technology built on the company's Silicon Anode Platform.

These expanded contract manufacturing arrangements allow Amprius to efficiently scale operations, ensuring customers have access to its industry-leading battery performance. Amprius' contract manufacturers will supply SiCore pouches in various chemistries and form factors, including 18650 and 21700 cylindrical cells.

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Amprius has signed agreements with several contract manufacturers to secure over 500 MWh of production capacity for its SiCore battery and is engaging with potential additional partners across a network of established Asia-based contract manufacturers.

Amprius Technologies announced that the performance of its latest lithium-ion battery cells was independently verified by Mobile Power Solutions, confirming unprecedented energy density.

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It supports high current pulses at low states of charge without going below the lower cut-off voltage, namely 3000 W/kg at 30% depths-of-discharge. The combination of high energy density and high-power density reduces battery weight and volume, leading to extended range, reduced charging frequency, and lower operating costs.

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