

What is the most energy-dense lithium battery?

Amprius has shipped the first batch of what it calls the most energy-dense lithium batteries available today. These silicon anode cells hold 73 percent more energy than Tesla's Model 3 cells by weight, and take up 37 percent less volume.

Is Amprius the world's most powerful battery?

"This latest validation continues Amprius' track record of producing the world's most powerful battery cells and sets an industry benchmark for next-generation battery technology that will ultimately revolutionize how high we fly, how far we travel and how long we can use our devices."

How much energy does a 500 Wh/kg battery produce?

The record 500 Wh/kg energy density performance was verified by Mobile Power Solutions, a leading testing house offering comprehensive battery regulatory compliance, safety, and performance testing. The results indicate that this cell model provides >504 Wh/kg and >1321 Wh/l at $25\pm 176^\circ\text{C}$.



The new SiCore batteries are based on an innovative, proprietary silicon anode material system delivering high-energy-density silicon anode batteries that surpass state-of-the-art graphite cell performance today.

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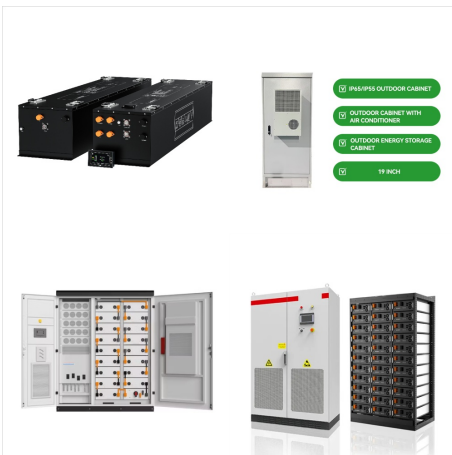


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The new batteries demonstrate both high gravimetric energy density (Wh/kg) and volumetric energy density (Wh/L) with exceptional adaptability. The customizable platform allows customers to select the option ???



The new batteries demonstrate both high gravimetric energy density (Wh/kg) and volumetric energy density (Wh/L) with exceptional adaptability. The customizable platform allows customers to select the option to either increase energy content in a battery pack without increasing weight, reduce weight in applications that target a fixed energy