



# Energy storage lithium battery aluminum shell battery





## Overview

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This article will delve into the reasons why aluminum shells are chosen for lithium-ion batteries, focusing on conductivity, thermal conductivity, weight, corrosion resistance, high-temperature resistance, and cost-effectiveness. Low density: The density of aluminum is about  $2.7 \text{ g/cm}^3$ , significantly lower than that of steel (around  $7.8 \text{ g/cm}^3$ ). TOB NEW ENERGY provides a full set of coin cell cases, cylindrical. The global aluminum shell lithium-ion battery market is experiencing robust growth, driven by the increasing demand for energy storage solutions in diverse sectors. This article explores material breakthroughs, manufacturing techniques, and real-world applications driving the \$58. But with the global energy storage market booming at \$33 billion annually [1], this topic is hotter than a lithium-ion battery on overdrive.



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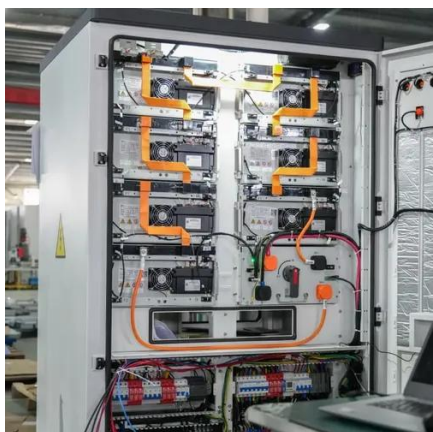


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The aluminum shell can directly connect to the positive electrode, simplifying the internal structure, reducing resistance, and improving energy transfer efficiency.



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