

# New Energy Storage Battery Materials



## Overview

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AI just helped scientists find five new materials that might outperform lithium in future batteries. These discoveries could enable cheaper, safer, and more powerful energy storage by using elements like magnesium and zinc. Researchers at the New Jersey Institute of Technology (NJIT) are using. The Breaking It Down series aims to inform and inspire people by putting advanced manufacturing technologies and processes into simpler terms. With electric vehicles (EVs) that get us places, cell phones that connect us to others, and utility-scale electric grid storage that powers our homes. At a time when the world is racing to power everything from smartphones to electric vehicles to renewable grids, the question of what comes after lithium-ion batteries looms large.

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AI is helping scientists crack the code on next-gen batteries that could replace lithium-ion tech. By discovering novel porous materials, researchers may have paved the way for more powerful

**12.8V 100Ah**



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That can also reduce the time to market for next-generation energy storage materials and devices and bridge knowledge gaps between small-scale R&D and large-scale commercial manufacturing, ...



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