



# Lithium Polymer Batteries Explained

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### Why Lithium Polymer Dominates Energy Storage

You know what's funny? We're all walking around with lithium polymer batteries in our pockets - our phones use them, our laptops rely on them - yet most people couldn't explain why they've become the gold standard for energy storage. Let's break it down.

Highjoule Technologies Ltd. has been at the forefront of this revolution since 2015, when we phased out traditional lithium-ion cells in our commercial storage systems. The numbers speak for themselves:

Metric	Lead-Acid	Li-Ion	LiPo
Energy Density (Wh/kg)	30-50	100-265	150-300
Cycle Life	200-300	500-1k	800-2k
Monthly Self-Discharge	5%	2%	

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