

# Unlocking the Power of 25.6V100Ah LiFePO4 Battery: A Comprehensive Guide

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### Why This Battery Is the Swiss Army Knife of Energy Storage

Imagine a power source that laughs in the face of extreme temperatures while sipping electricity like fine wine. Meet the 25.6V100Ah LiFePO4 battery - the Clark Kent of energy storage solutions. Unlike its lead-acid cousins that retire after 300-500 cycles, this lithium iron phosphate marvel performs 3,000-5,000 charge cycles with the stamina of a marathon runner.

### The Chemistry Behind the Magic

Thermal stability that makes volcanic eruptions jealous (operates from -20°C to 60°C)

Energy density packing more punch than a heavyweight boxer (100-130 Wh/kg)

Self-discharge rates slower than continental drift (

Web: <https://www.sphoryzont.edu.pl>