



# Seplos Mason 51.2V 280Ah LiFePO4 Battery: The Powerhouse Redefining Energy Storage

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### Why This Battery Could Be Your Energy Game-Changer

Ever tried powering your off-grid cabin with a car battery? Let's just say it's like using a teacup to put out a forest fire. Enter the Seplos Mason 51.2V 280Ah LiFePO4 battery - the industrial-grade solution that's shaking up renewable energy systems and electric vehicle conversions. Unlike standard lead-acid batteries that konk out faster than a marathon runner in flip-flops, this lithium iron phosphate marvel delivers 6,000+ cycles at 80% depth of discharge.

### Chemistry That Makes Physics Jealous

- 51.2V nominal voltage - perfect for 48V solar systems
- 280Ah capacity stores enough juice to power a small workshop
- LiFePO4 cathode material prevents thermal runaway (no fiery surprises)
- Built-in Battery Management System acts like a digital bodyguard

### Real-World Applications That'll Make You Rethink Energy

When a Canadian mining company replaced their diesel generators with 40 Seplos Mason units, they slashed fuel costs by 62% while achieving 94% round-trip efficiency. Marine engineers are particularly smitten - these batteries don't care if they're installed upside down or subjected to salty sea spray.

### Technical Specs That Matter

- Energy Density 155 Wh/kg
- Charge Temperature -20°C to 60°C
- Cycle Life 6,000+ cycles
- Self-Discharge

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