

# TECHNICAL DATA SHEET

## LiFePO4 12.8V 200Ah

A high-performance LiFePO4 battery offering maximum safety, long lifespan, and reliable power delivery. Built with premium-grade cells and optimized energy density, it delivers high efficiency and thermal stability, supported by a smart integrated BMS. Ideal for solar systems and backup power applications, backed by a 3-year warranty.

### SPECIFICATIONS

Battery type Chemistry	<b>LiFePO4</b>
Nominal Voltage	<b>12.8V</b>
Nominal Capacity	<b>200Ah</b>
Total Energy	<b>2560Wh</b>
Voltage Range	<b>10.8V~14.6V</b>
Recommended Charging Voltage	<b>14.4V</b>
Max. Charging Voltage	<b>14.6V</b>
Recommended Charging Current	<b>40A</b>
Max. Charging Current	<b>150A</b>
Recommended Discharge Voltage	<b>11.2V</b>
Max. Discharging Voltage	<b>10.8V</b>
Max. Continuous Discharge Current	<b>150A</b>
Peak Discharge Current	<b>250A/3S</b>
Discharge Temperature	<b>-20 ~ 60°C</b>
Charging Temperature	<b>0 ~ 55°C</b>
Storage Temperature	<b>-20 ~ 45°C</b>
Terminal Type	<b>M8</b>
Case Material	<b>ABS</b>
BMS Build-In	<b>Yes</b>
Efficiency	<b>&gt;99%</b>
Self Discharge per Month	<b>&lt;3%</b>
Max. Units in Parallel	<b>4PCS</b>
Max. Units in Series	<b>4PCS</b>
LCD Screen	<b>Optional</b>
Bluetooth (App)	<b>Yes</b>



### PRODUCT DETAILS

#### LiFePO4 12.8V 200Ah

Part number: **TED007421**

Length: **484 mm**

Width: **170 mm**

Height: **240 mm**

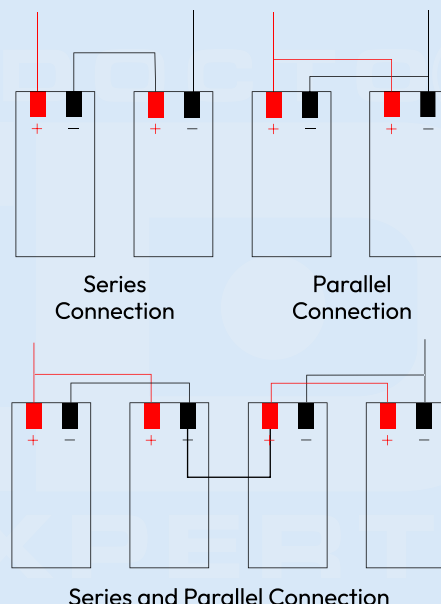
Weight: **17.5kg**

Life Cycle: **6000 cycles (DoD 80%)**

Design Life: **>12 years**

Certifications: **CE/ROHS/UN38.3**

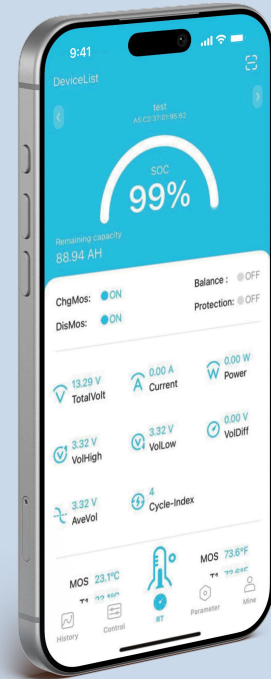
### SYSTEM DESIGN



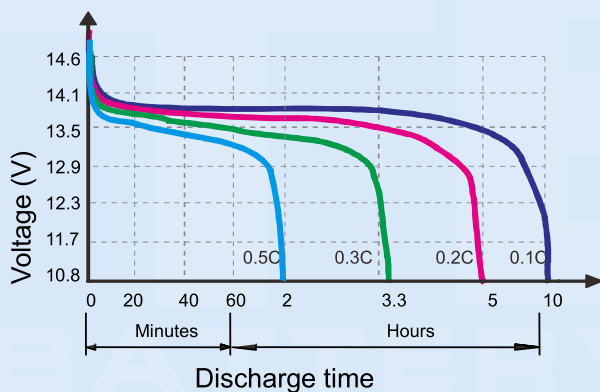
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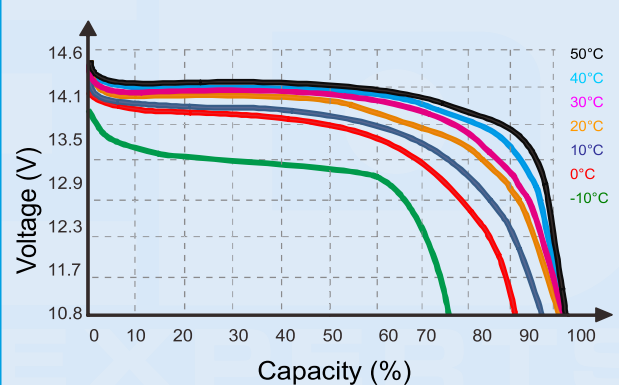
- Up to 10x Longer Cycle Life compared to AGM
- Fast Charging and Safe LiFePO4 Chemistry
- Versatile use across residential, commercial, and industrial markets.
- Ideal for renewable energy storage, EV/traction, material handling, marine/RV, telecom, and UPS applications.



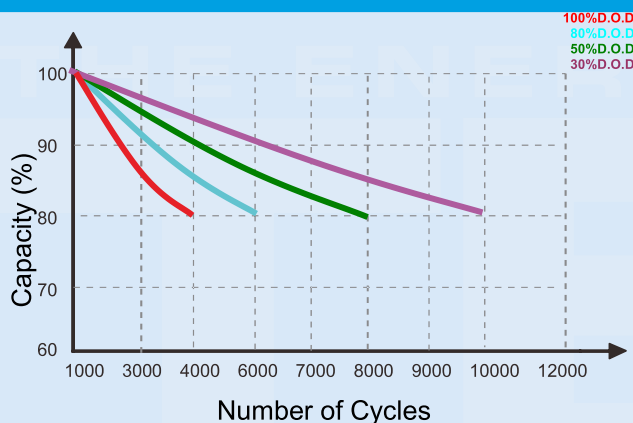
Discharge Characteristics 25°C



Different temperature discharge curve (0.5C)



Different DOD Discharge life cycle curve 0.2C 25°C



State of charge curve (0.5C, 25°C)

