

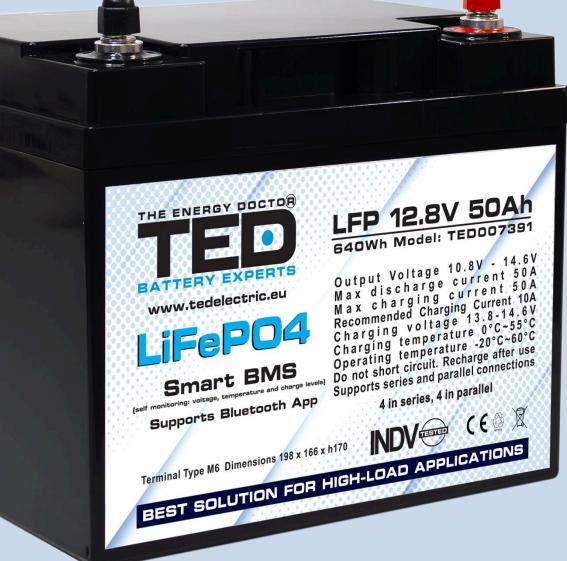
TECHNICAL DATA SHEET

LiFePO4 12.8V 50Ah

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 | LiFePO4 |
| Nominal Voltage | 12.8V |
| Nominal Capacity | 50Ah |
| Total Energy | 640Wh |
| Voltage Range | 10.8V~14.6V |
| Recommended Charging Voltage | 14.4V |
| Max. Charging Voltage | 14.6V |
| Recommended Charging Current | 10A |
| Max. Charging Current | 50A |
| Recommended Discharge Voltage | 11.2V |
| Max. Discharging Voltage | 10.8V |
| Max. Continuous Discharge Current | 50A |
| Peak Discharge Current | 80A/3S |
| Discharge Temperature | -20 ~ 60°C |
| Charging Temperature | 0 ~ 55°C |
| Storage Temperature | -20 ~ 45°C |
| Terminal Type | M6 |
| Case Material | ABS |
| BMS Build-In | Yes |
| Efficiency | >99% |
| Self Discharge per Month | <3% |
| Max. Units in Parallel | 4PCS |
| Max. Units in Series | 4PCS |
| LCD Screen | Optional |
| Bluetooth (App) | Yes |

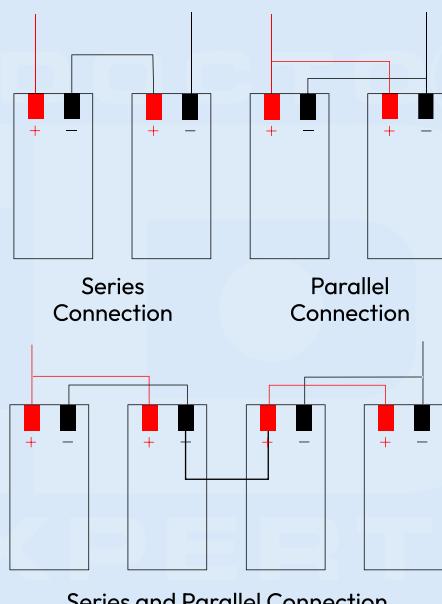


PRODUCT DETAILS

LiFePO4 12.8V 50Ah

Part number: **TED007391**
 Length: **197 mm**
 Width: **166 mm**
 Height: **170 mm**
 Weight: **5.6kg**
 Life Cycle: **6000 cycles (DoD 80%)**
 Design Life: **>12 years**
 Certifications: **CE/ROHS/UN38.3**

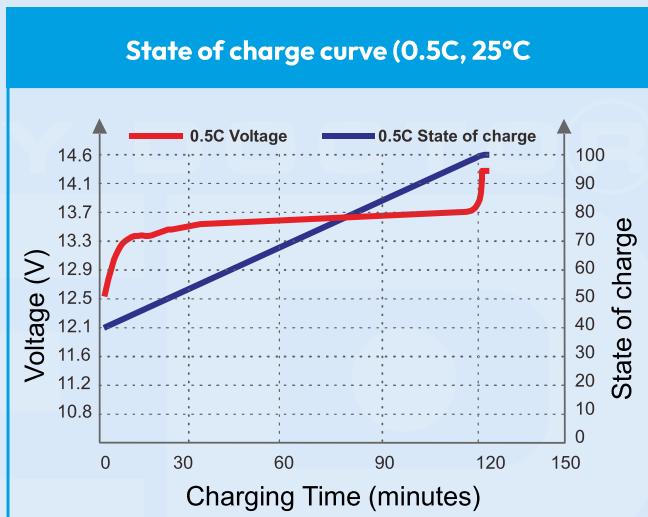
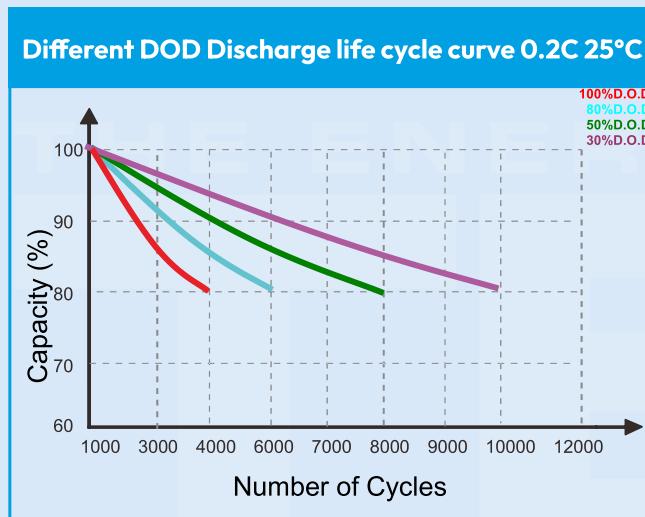
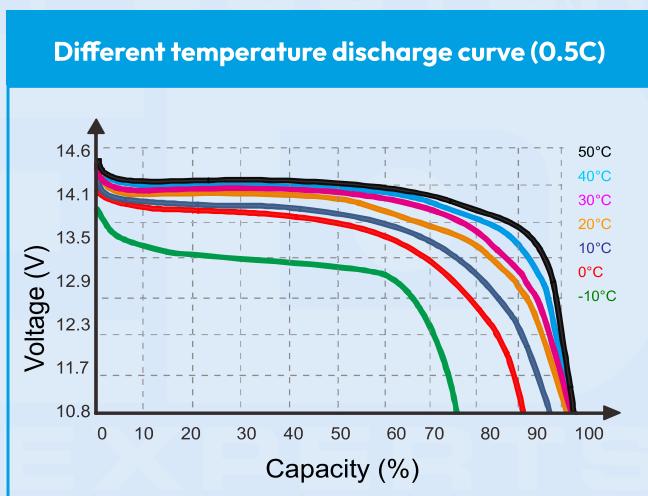
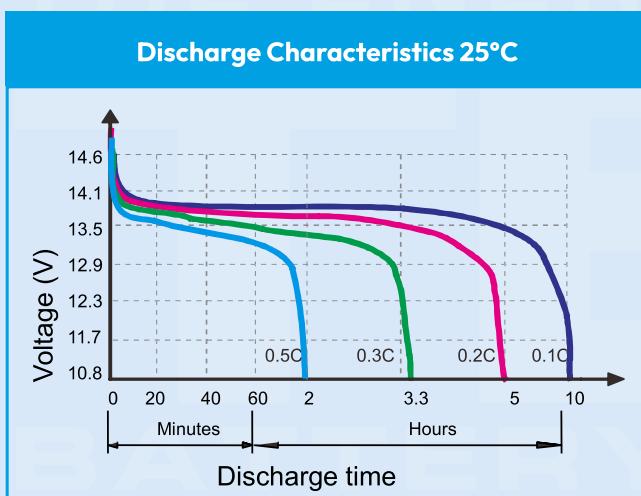
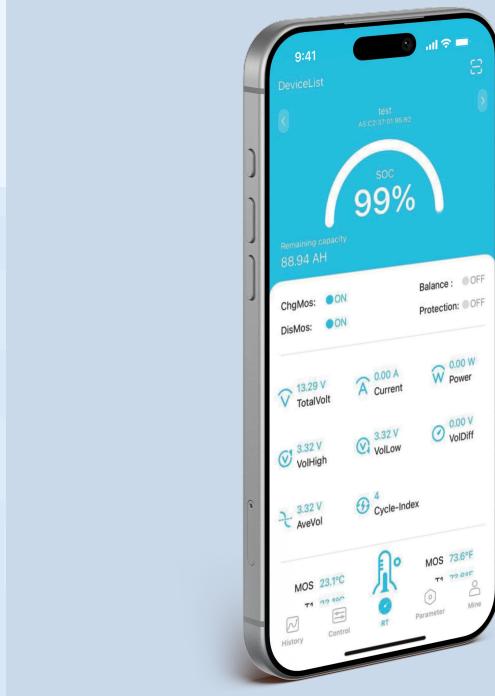
SYSTEM DESIGN



TECHNICAL DATA SHEET

LiFePO4 12.8V 50Ah

- 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.



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Needs iOS 10.0+

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