



CHARACTERISTICS



Compact size ideal for any type of use.

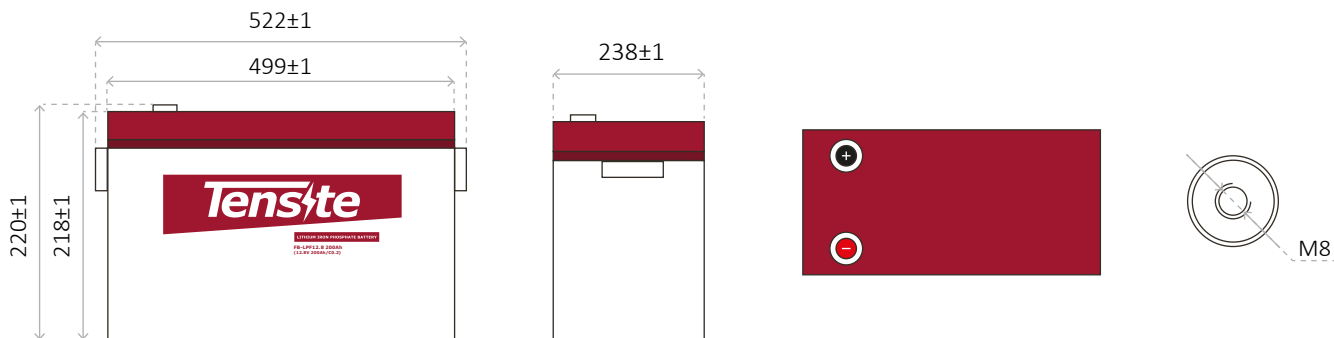


Great performance due to lithium iron phosphate cell.



Perfect to use as accumulator in photovoltaic installations.

DIMENSIONS



LITHIUM IRON PHOSPHATE LFP 12.8V 200Ah

LITHIUM SERIES BATTERY

Tensite series lithium batteries are superior design with iron phosphate cells with superior safety. With thousands of cycles and 100% DOD under normal conditions.

Built-in automatic protection for over-charge, over discharge, over current and over temperature.

Free of maintenance and internal cell balancing.



APPLICATION

- Emergency Power System
- Communication equipment
- Telecommunication systems
- Uninterruptible power supplies
- Power tools
- Marine equipment
- Medical equipment
- Solar and wind power system

GENERAL FEATURES

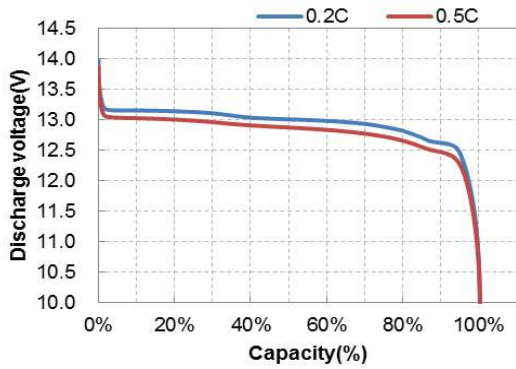
- Safety Sealing
- Non-spillable construction
- High power density
- Thick plates and high active materials
- Longer life and low self-discharge design

TECHNICAL SPECIFICATIONS

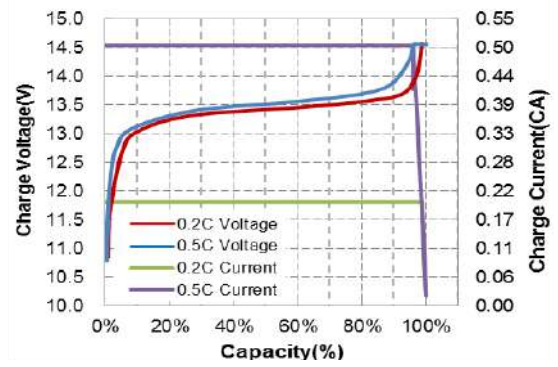
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|--|--|--------------------------------|----------------------------|------------------------------------|
| BATTERY MODEL | Nominal voltage | | 12.8V | |
| | Nominal capacity | | 200Ah@0.2C | |
| | Energy | | 2560Wh | |
| | Internal resistance | | 15mΩ | |
| CYCLE LIFE | 2000 Cycles @ 40A Charging/Discharging, Until 70% Capacity | | | |
| DIMENSION | Length | Width | Height | Total Height |
| | 522 mm | 238 mm | 218 mm | 220 mm |
| APPROX. WEIGHT | 27.0 kg ± 3% | | | |
| STANDARD CHARGING | Max. Charging Voltage | | Charging Current | Max. Charging Current |
| | 14.0~14.4V | | 40A | 100A |
| CHARGING MODE | At 0°C~45°C temperature, charged to 14.4V at a constant current of 40A, and then, changed continuously with constant voltage of 14.4V until the current was not more than 4A | | | |
| STANDARD DISCHARGING | Discharging current | Max. Continuous Current | Max. Pulse Current | Discharging Cut-off Voltage |
| | 40A | 100A | 200A (<3S) | 10.0V |
| OPERATING CONDITION @60±25% RELATIVE HUMIDITY | Charge Temperature | Discharge Temperature | Storage Temperature | Water Dust Resistance |
| | 0°C to 45°C | -20°C to 60°C | 0°C to 45 | IP55 |
| SELF DISCHARGE @25°C | 3.5% per month | | | |

CHARACTERISTIC CURVES

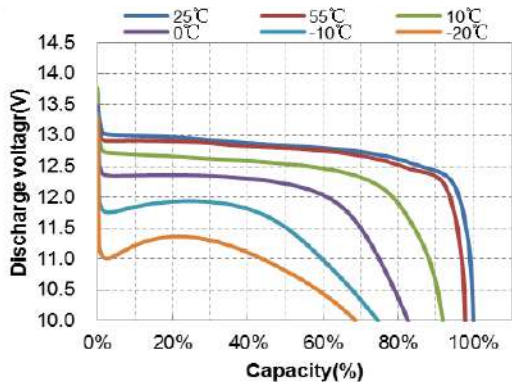
Different Rate Discharge Curve @25°



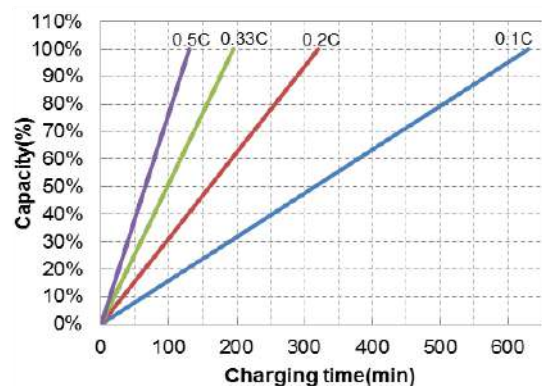
Charge Characteristics of capacity-voltage@0.2C&0.5C, 25°



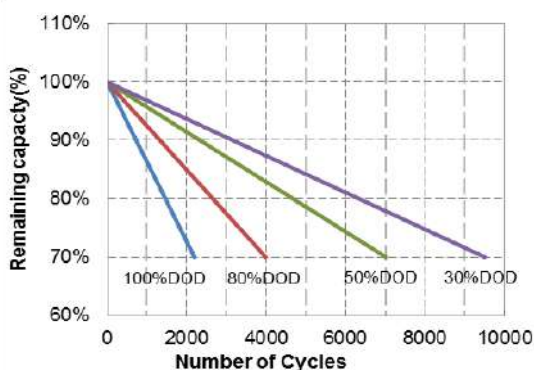
Different Temperature Discharge Curve @0.5C



Charge Characteristics of time-voltage@ 25°



Different DOD Discharge Cycle Life Curve @0.2C,25°



Open circuit voltage VS SOC%@25°

