



CHARACTERISTICS



Compact size ideal for any type of use.

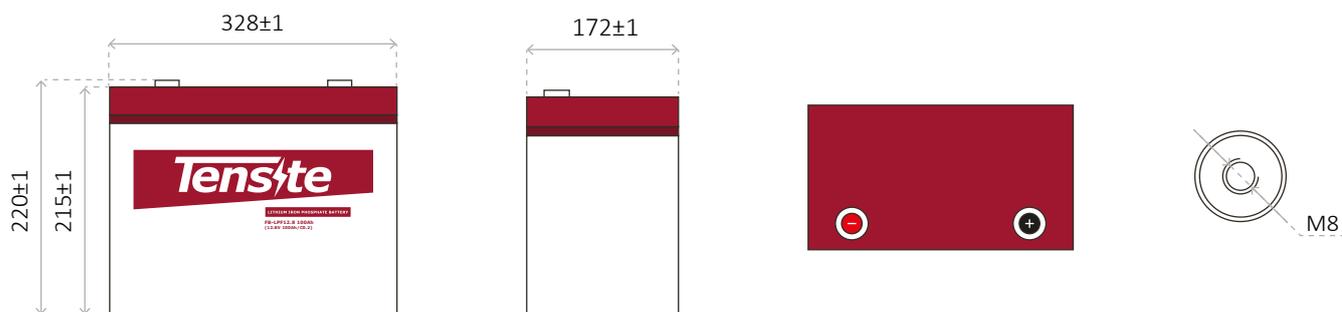


Great performance due to lithium iron phosphate cell.



Perfect to use as accumulator in photovoltaic installations.

DIMENSIONS



LITHIUM IRON PHOSPHATE

LFP 12.8V 100Ah

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

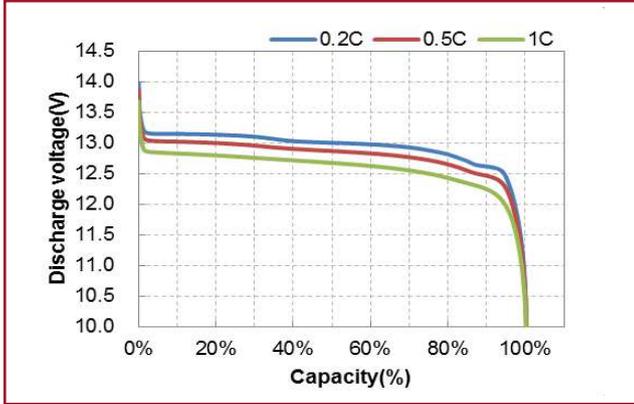
- Safety Sealing
- Non-spillable construction
- High power density
- Thick plates and high active materials
- Longer life and low self-discharge design

TECHNICAL SPECIFICATIONS

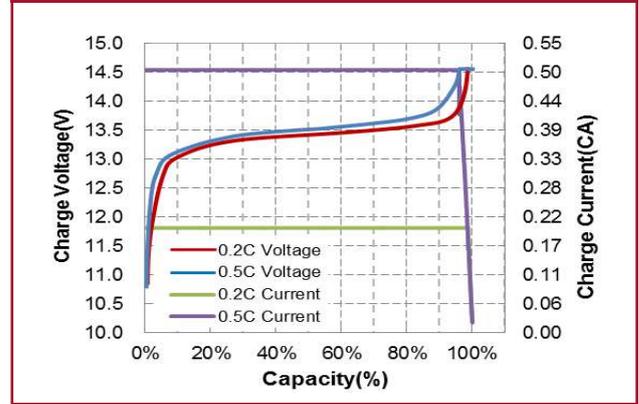
BATTERY MODEL	Nominal voltage		12.8V	
	Nominal capacity		100Ah@0.2C	
	Energy		1280Wh	
	Internal resistance		23mΩ	
CYCLE LIFE	2000 Cycles @ 20A Charging/Discharging, Until 70% Capacity			
DIMENSION	Length	Width	Height	Total Height
	328 mm	172 mm	215 mm	220 mm
APPROX. WEIGHT	13.1 kg ± 3%			
STANDARD CHARGING	Max. Charging Voltage		Max. Charging Current	
	14.0~14.4V		50A	
CHARGING MODE	At 0°C~45°C temperature, charged to 14.4V at a constant current of 20A, and then changed continuously with constant voltage of 14.4V until the current was not more than 2A			
STANDARD DISCHARGING	Discharging current	Max. Continuous Current	Max. Pulse Current	Discharging Cut-off Voltage
	20A	100A	200A (<3S)	10.0V
OPERATING CONDITION @60±25% RELATIVE HUMIDITY	Charge Temperature		Storage Temperature	
	0°C to 45°C		0°C to 45	
SELF DISCHARGE @25°C	3.5% per month			

CHARACTERISTIC CURVES

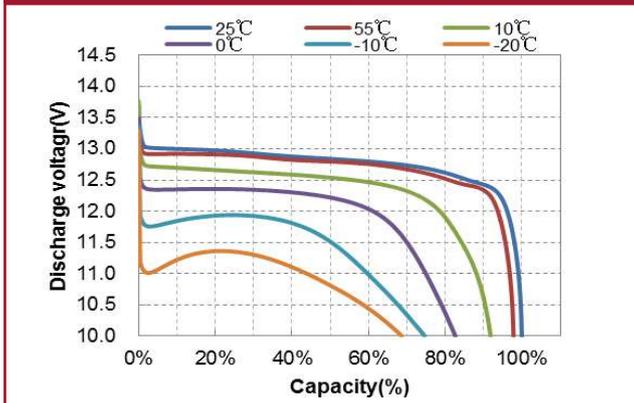
Different Rate Discharge Curve @25°



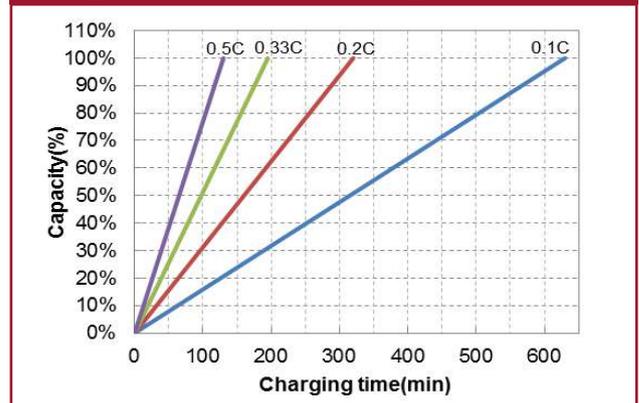
Charge Characteristics of capacity-voltage@0.2C&0.5C, 25°



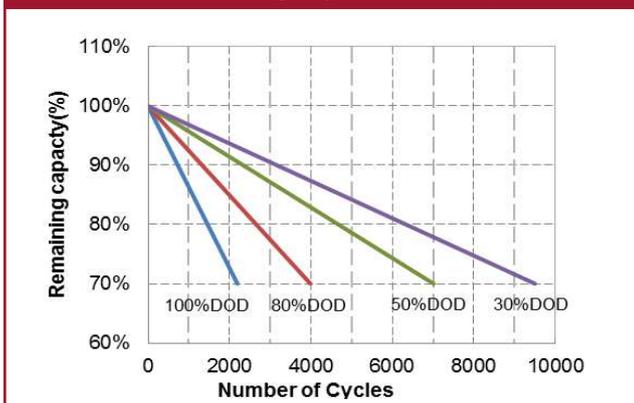
Different Temperature Discharge Curve @0.5C



Charge Characteristics of time-voltage@ 25°



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



Open circuit voltage VS SOC%@25°

