

Lithium Iron Phosphate (LiFePO₄) Battery

MODEL: TN-LFP12.8V320Ah

GENERAL SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Nominal Voltage	12.8V
Nominal Capacity	320Ah@0.2C
Min. Capacity	315Ah@0.2C
Energy	4096Wh
Internal Resistance	20≤mΩ
Cycle Life	>2000 Cycles @ 0.2C Charge/Discharge at 100%DOD, End of Life 70% Capacity.
Self Discharge	≤3.5% per month at 25°C

STANDARD DISCHARGING

Discharging Current	64A
Max. Continuous Current	100A
Max Pulse Current	200A(<3S)
Discharging Cut-off Voltage	10.0V

STANDARD CHARGING

Charging Voltage	14.0~14.6V
Charging Mode (CC/CV)	At 0 ~45°C temperature, charged to 14.6V at a constant current of 0.2C, and then, changed continuously with constant voltage of 14.6V until the current was not more than 0.02C.
Charging Current	64A
Max Charging	100A

MECHANICAL

Cell & Format	3.2V105Ah,4S3P
Casing	Plastic
Dimension(L*W*H*TH)	520*238*220mm
Weight Approx.	29.5Kg
Terminal	M8

TEMPERATURE SPECIFICATIONS

Charge Temperature	0°C to 45°C (32°F to 113°F) @60±25% Relative Humidity
Discharge Temperature	-20°C to 60°C (-4°F to 140°F) @60±25% Relative Humidity
Storage Temperature	0°C to 45°C (32°F to 113°F) @60±25% Relative Humidity
Water Dust Resistance	IP55



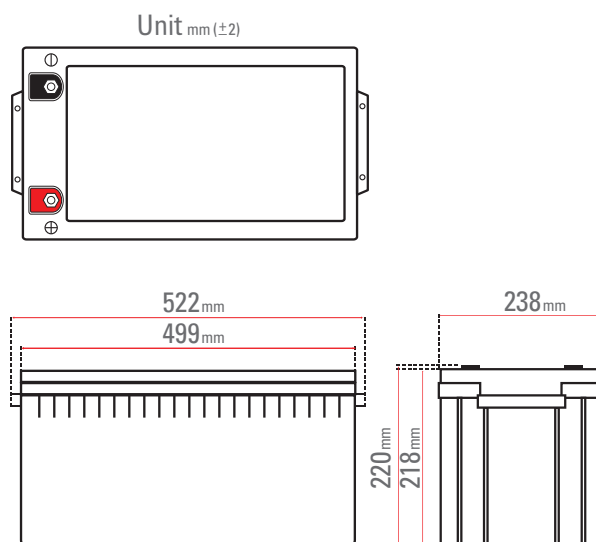
FEATURES

- Using the technology of lithium iron phosphate cell, superior safety, thousands of cycles, 100%DOD, under normal conditions
- Built-in automatic protection for over-charge, over discharge, over current and over temperature
- Maintenance free
- Internal cell balancing
- Lighter weight: About 40% ~50% of the weight of a comparable lead acid battery.
- Can be charged using most standard lead-acid charges (set)
- Wider temperature range: -20°C~60°C
- Support for Series application expansion (up to 76.8V) and two in parallel

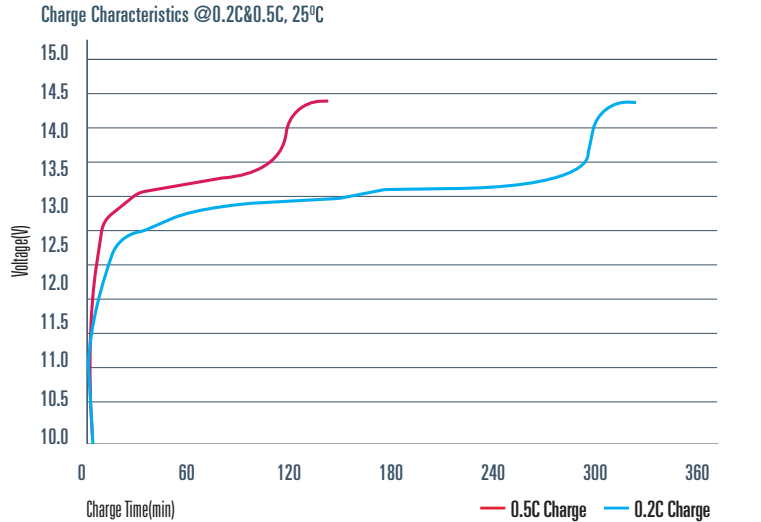
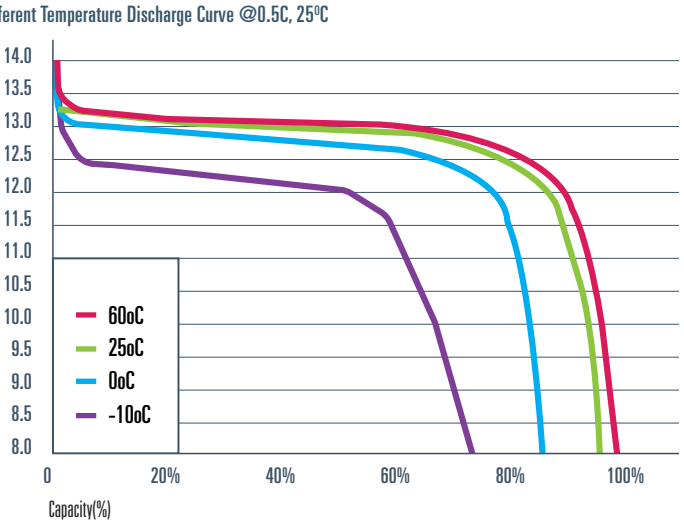
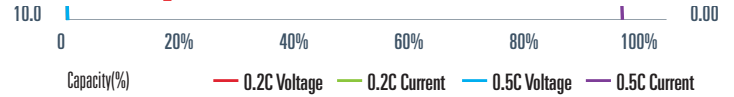
APPLICATION

- UPS
- Solar & Wind power system
- Golf Cart
- Electric vehicle, E-bike, E-rickshaw e.g.
- Lighting

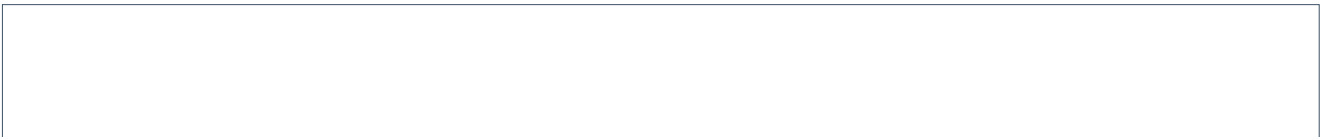
DIMENSIONAL SPECIFICATIONS



Lithium Iron Phosphate (LiFePO4) Battery | MODEL: TN-LFP12.8V320Ah



EVER Lithium is UN38.3 certified



TN POWER Lithium is UN38.3 certified

