

TN Power (LiFePO4) Data Sheet

TN-LFP12.8V84Ah Models

GENERAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS	
Nominal Voltage	12.8V
Nominal Capacity	84Ah@0.2C
Energy	1075.2Wh
Internal Resistance	45≤mΩ
Cycle Life	>2000 Cycles @ 0.2C Charging/Discharging at 100%DOD, Until 70% Capacity.
Self Discharge ≤3.5% per month at 25°C	≤3.5% per month at 25°C
DISCHARGE SPECIFICATIONS	
Discharging Current	16.8A
Max. Continuous Current	60A
Max Pulse Current	120A (<3S)
Discharging Cut-off Voltage	10.0V
MECHANICAL SPECIFICATIONS	
Cell & Format	IFR32700 N60, 4S14P
Casing	ABS
Dimension(L*W*H*TH)	260*169*213*218mm
Weight	10.2Kg (Approx)
Terminal	M8
Group Size	24
CHARGE SPECIFICATIONS	
Charging Voltage	14.6±0.2V
Charging Mode (CC/CV)	At 0°C~45°C temperature, charged to 14.6V at a constant current of 0.2C5A, and then, charged continuously with constant voltage of 14.6V until the current is no more than 0.02C5A.
Charging Current	16.8A
Max Charging Current	42A
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



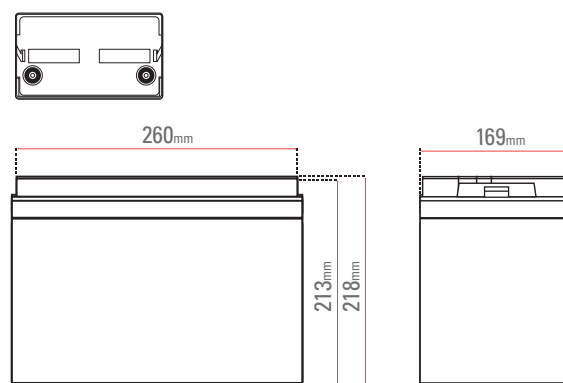
FEATURES

- Using the technology of lithium iron phosphate cell, it offers superior safety, and the most stable components.
- 2000 lifecycles @ 100%DOD, under normal conditions.
- Built-in automatic protection for over-charge, over discharge, over current and over temperature.
- Maintenance Free.
- Internal cell balancing.
- About 40% ~50% of the weight of a comparable lead acid battery.
- Wider temperature range: -20°C ~60°C.
- Support for Series application expansion (up to 51.2V) and two in parallel.
- Lower overall total cost of ownership.

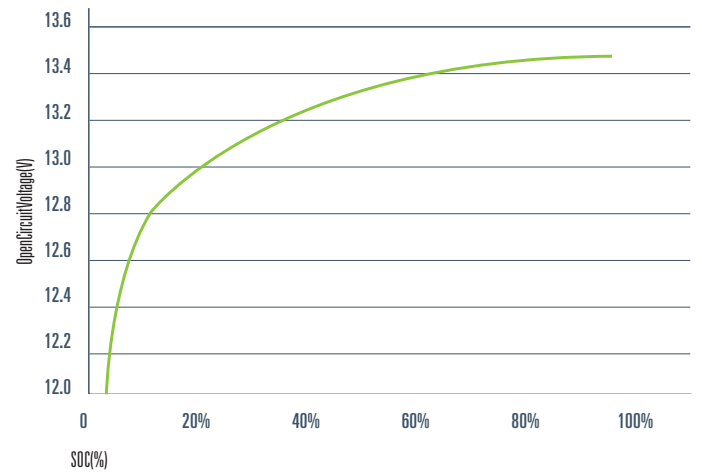
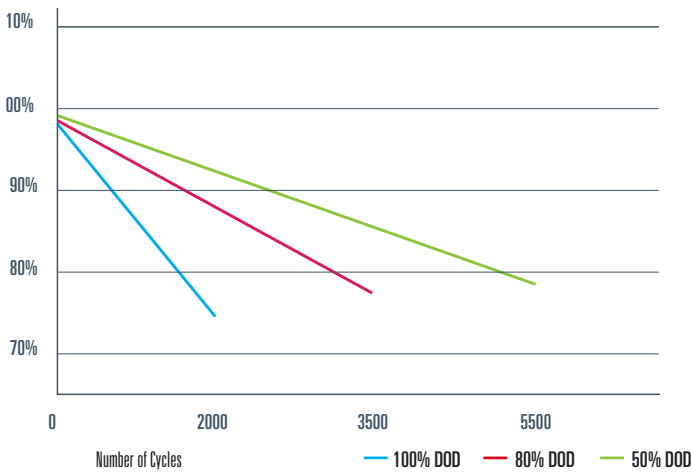
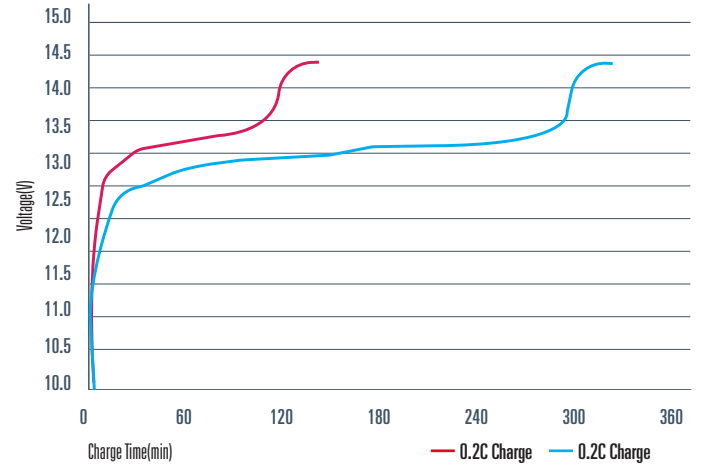
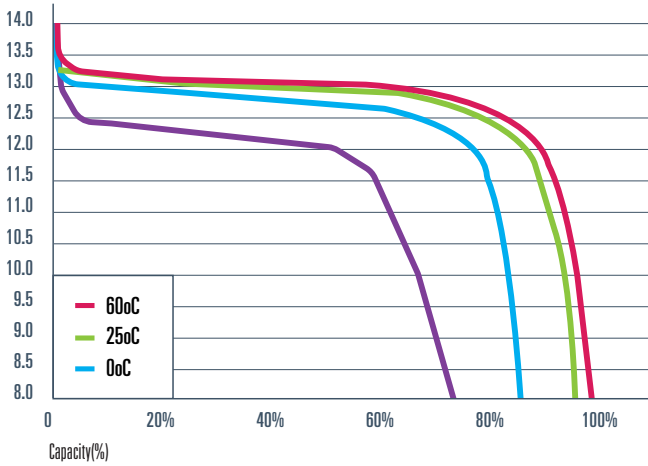
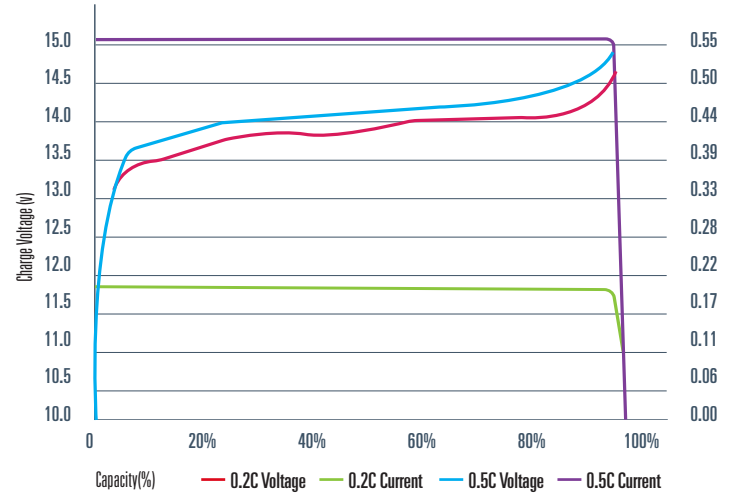
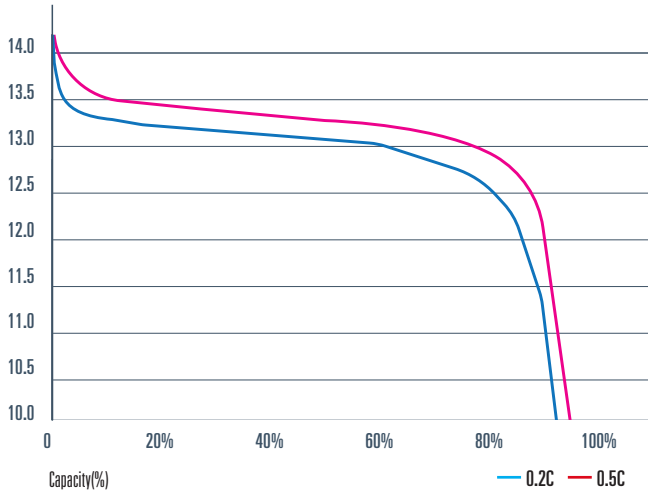
APPLICATION

- Recreational Vehicles
- Marine
- Renewable Energy
- Medical / Mobility
- Electric Vehicles
- Golf Cart

DIMENSIONAL SPECIFICATIONS



Lithium Iron Phosphate (LiFePO4) Battery | MODEL: TN-LFP12.8V84AH



TN POWER Lithium is UN38.3 certified

