

Lithium Iron Phosphate (LiFePO4) Battery

MODEL: TN-LFP12.8V42AH

GENERAL SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Nominal Voltage	12.8V
Nominal Capacity	42Ah@0.2C
Energy	537.6Wh
Internal Resistance	50≤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	≤3.5% per month at 25°C

STANDARD DISCHARGING	
Discharging Current	8.4A
Max. Continuous Current	42A
Max Pulse Current	60A(<3S)
Discharging Cut-off Voltage	10.0V

STANDARD CHARGING	
Charging Voltage	14.6±0.2V
Charging Mode (CC/CV)	At 0°~45°C temperature, charged to 14.6V at a constant current of 0.2C5A, and then,changed continuously with constant voltage of 14.6V until the current was not more than 0.02C5A.
Charging Current	8.4A
Max Charging	21A

MECHANICAL	
Cell & Format	IFR32700 N60, 4S7P
Casing	ABS
Dimension(L*W*H*TH)	197*165*170*170mm
Weight Approx.	5.7Kg
Terminal	M6

ELECTRICAL CHARACTERISTICS		
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	

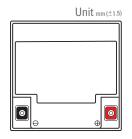


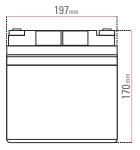
- Using the technology of lithium iron phosphate cell, superior safety, thousands of cycles, 100%DOD,
- Built-in automatic protection for over-charge, over
- Maintenance free
- Lighter weight: About 40% ~50% of the weight of a comparable lead acid battery.
- Can be charged using most standard
- Wider temperature range:-20°C~60°C

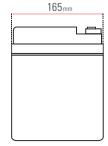
APPLICATION

- Recreational Vehicles
- Renewable Energy
- Electric Vehicles
- Golf Cart

DIMENSIONAL SPECIFICATIONS









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