

Lithium Iron Phosphate (LiFePO4) Battery

MODEL: TN-LFP12.8V7.2AH

GENERAL SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Nominal Voltage	12.8V
Nominal Capacity	7.2Ah@0.2C
Energy	92Wh
Internal Resistance	90≤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	1.44A
Max. Continuous Current	7.2A
Max Pulse Current	20A(<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	1.44A
Max Charging	3.6A

MECHANICAL	
Cell & Format	IFR26650 N36,4S2P
Casing	ABS
Dimension(L*W*H*TH)	151*65*94*100mm
Weight Approx.	0.97Kg
Terminal	F2

TEMPERATURE SPECIFICATIONS		
Charge Temperature	$0^{\rm o}{\rm C}$ 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

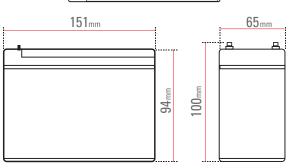
- Using the technology of lithium iron phosphate cell, superior safety, thousands of cycles, 100%DOD, under normal conditions
- Built-in automatic protection for over-charge, over discharge, over current and over temperature
- Maintenance free
- Internal cell balancin
- Lighter weight: About 40% ~50% 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

APPLICATION

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

DIMENSIONAL SPECIFICATIONS

Unit mm (±1)







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