

TN Power (LiFePO4) Data Sheet

TN-LFP12.8V110AH Models

GENERAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS	
Nominal Voltage	12.8V
Nominal Capacity	110Ah@0.2C
Energy	1208Wh
Internal Resistance	30≤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	21.6A
Max. Continuous Current	100A
Max Pulse Current	200A (<3S)
Discharging Cut-off Voltage	10.0V

MECHANICAL SPECIFICATIONS	
Cell & Format	IFR32700 N60,4S18P
Casing	Plastic
Dimension(L*W*H*TH)	355*176*189*189mm
Weight	13.7Kg (Approx)
Terminal	SAE

CHARGE SPECIFICATIONS	
Charging Voltage	14.0~14.6V
Charging Mode	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	21.6A
Max Charging Current	54A

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	



- Using the technology of lithium iron phosphate cell, superior safety, thousands of cycles, 100%DOD, under normal conditions.
- discharge, over current and over temperature.

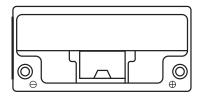
- About 40% ~50% of the weight of a comparable lead acid battery.
- Can be charged using most standard lead-acid
- Wider temperature range:-20°C ~60°C.
- Support for Series application expansion (up to 51.2V)

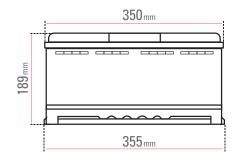
APPLICATION

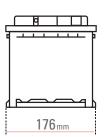
- Marine

- Electric Vehicles
- Golf Cart

DIMENSIONAL SPECIFICATIONS









Lithium Iron Phosphate (LiFePO4) Battery | MODEL: TN-LFP12.8V110AH

