

SPECIFICATIONS

Nominal Voltage	12.8V
Rated Capacity	16Ah @0.5C
Circuit Protection	Over charge, Over discharge, Over current, Over temp, Short, Balance
Cycle Life	3000 times cycles @100%DOD and 6000 times @80% DOD
Monthly Self Discharge	<3%
Efficiency of Charge	100% @0.2C
Efficiency of Discharge	96~100% @1C
Charge Voltage	14.6±0.2V
Standard Charge Current	5A
Max Charge Current	8A
Standard Discharge Current	15A
Max. Continuous Current	20A
Discharge Cut-off Voltage	10V
Charge Temperature	0°C to 55°C (32°F to 131°F) @60±25% Relative Humidity
Discharge Temperature	-20°C to 60°C (-4°F to 140°F) @60±25% Relative Humidity
Storage Temperature	-20°C to 45°C (-4°F to 113°F) @60±25% Relative Humidity
Case / IP class	Plastic case / IP65
Dimensions	151 mm X 99 mm X 96 mm
Total Weight	2±0.1Kg
Terminal	T2

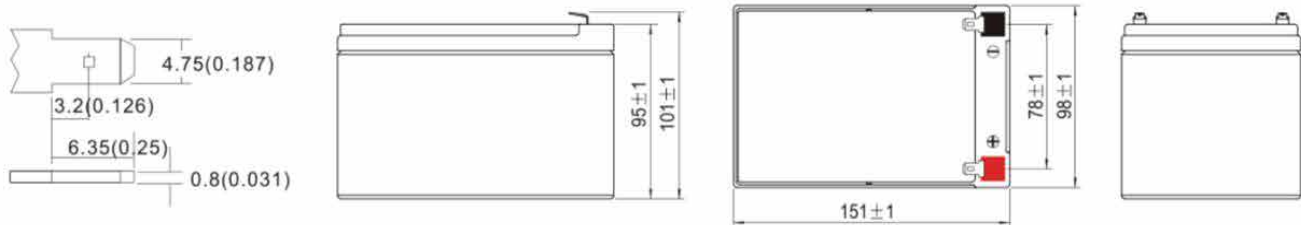


FEATURES

- **LONGER CYCLE LIFE:**
Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.
- **LIGHTER WEIGHT:**
About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.
- **HIGHER POWER:**
Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.
- **WIDER TEMPERATURE RANGE:**
-20°C~60°C.
- **SUPERIOR SAFETY:**
Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.
- **INCREASED FLEXIBILITY:**
Modular design enables deployment of up to four batteries in series and up to ten batteries in parallel.

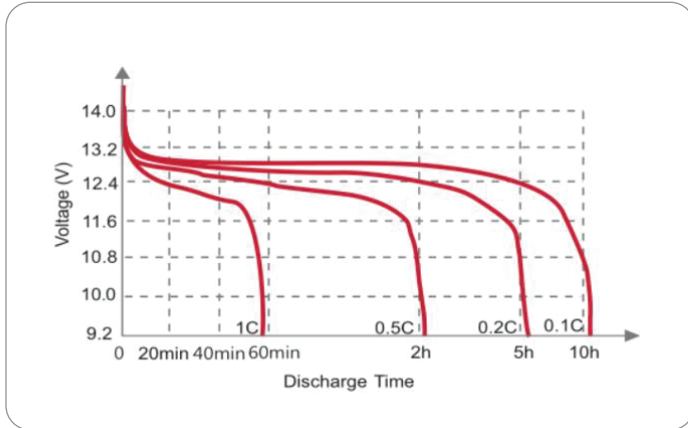
DIMENSIONS

T1 Terminal

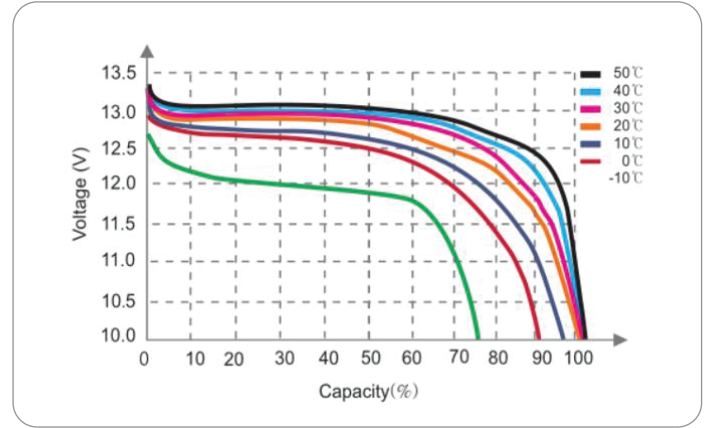


PERFORMANCE CHARACTERISTICS

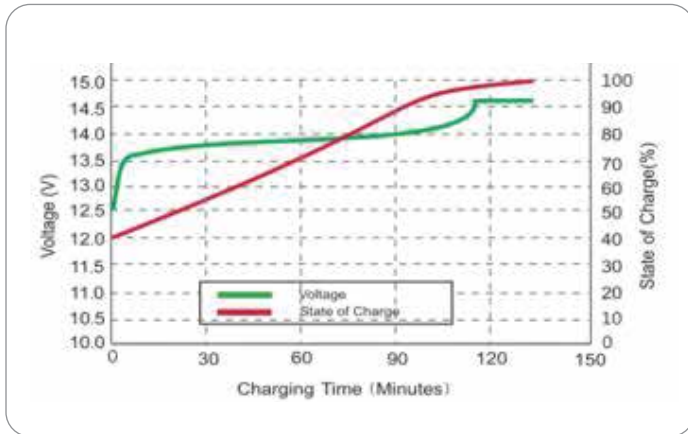
Different Rate Discharge Curve (25°C)



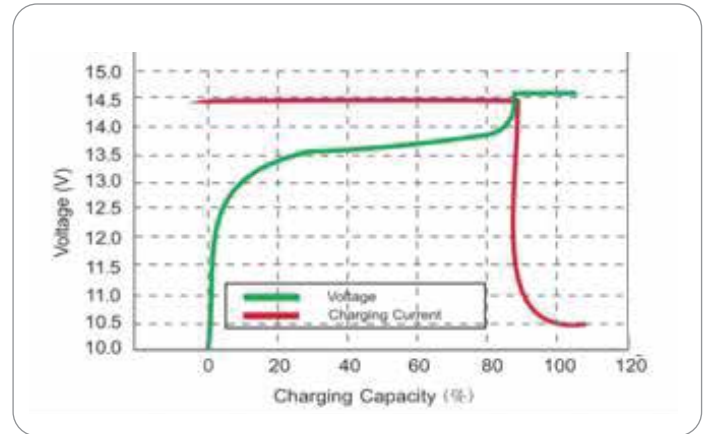
Different Temperature Discharge Curve (0.5°C)



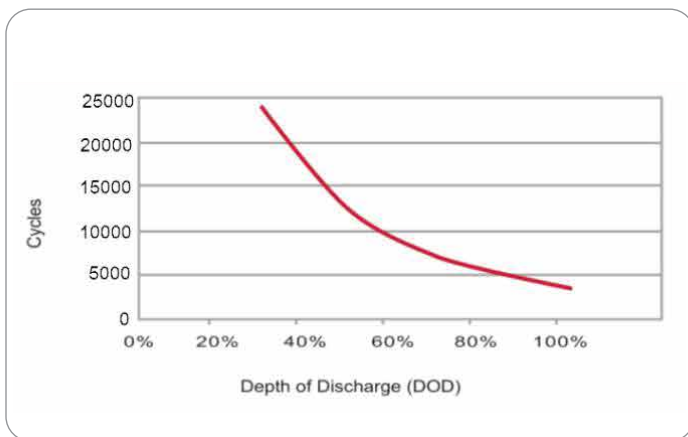
State of Charge Curve (0.5°C, 25°C)



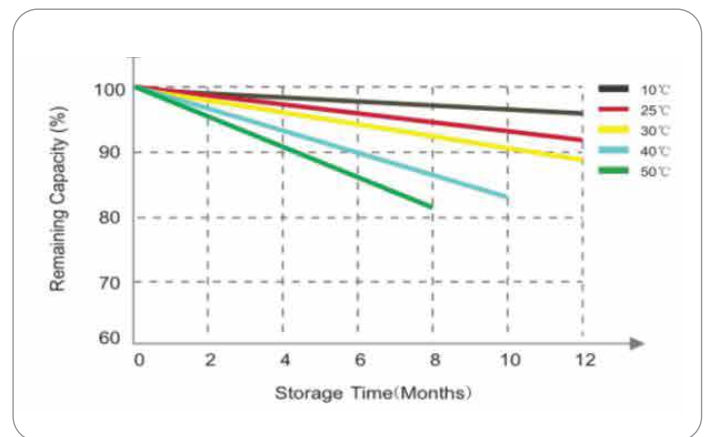
Charging Characteristics (0.5°C, 25°C)



Different DOD Discharge Cycle Life Curve (1°C)



Different Temperature Self Discharge Curve



NITRO

LITHIUM IRON PHOSPHATE BATTERY
NLI-1216F2