

# DIXON MED

LITHIUM IRON PHOSPHATE BATTERY



**NLI-6V54F1**

**NITRO<sup>®</sup>**  
**LiFePO4**

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## LiFePO4

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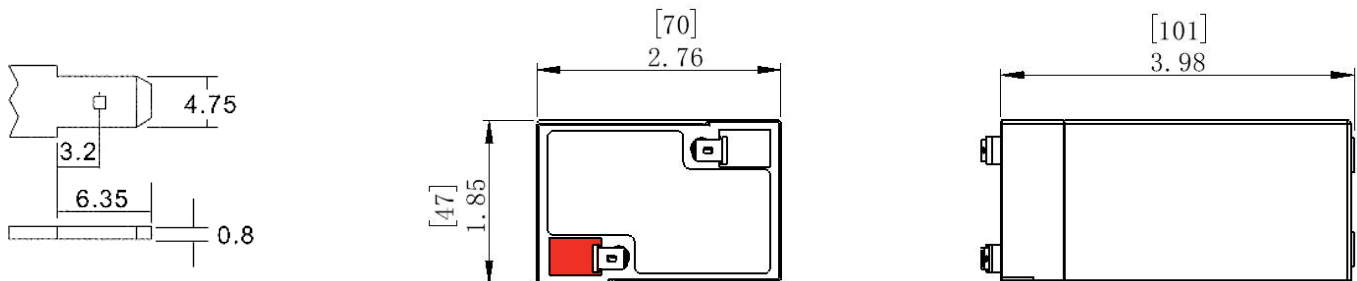
### SPECIFICATIONS

Nominal Voltage	6.4V
Rated Capacity	5.4Ah @0.5C
Circuit Protection	Over charge, Over discharge, Over current, Over temp, Short
Cycle Life	3000 times cycles @100%DOD and 6000 times @80% DOD
Monthly Self Discharge	<3%
Efficiency of Charge	100% @0.5C
Efficiency of Discharge	96~100% @1C
Charge Voltage	7.2±0.2V
Standard Charge Current	1A
Max Charge Current	2.7A
Standard Discharge Current	3A
Max. Continuous Current	6A
Discharge Cut-off Voltage	5V
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
Dimensions	70 mm (2.76") X 47 mm (1.85") X 101 mm ±1 (3.98")
Total Weight (approx.)	0.7Kg
Terminal	T1, 4.75 (0.187") X 0.8 (0.032") Faston type, quick disconnect tabs

### 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.

### DIMENSIONS



# DIXON

## MED

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