

# CLI4.5-12

12V 4.5AH

Lithium Iron Phosphate Battery - LiFePO<sub>4</sub>

CANBAT

## CLI4.5-12



## Physical Specification

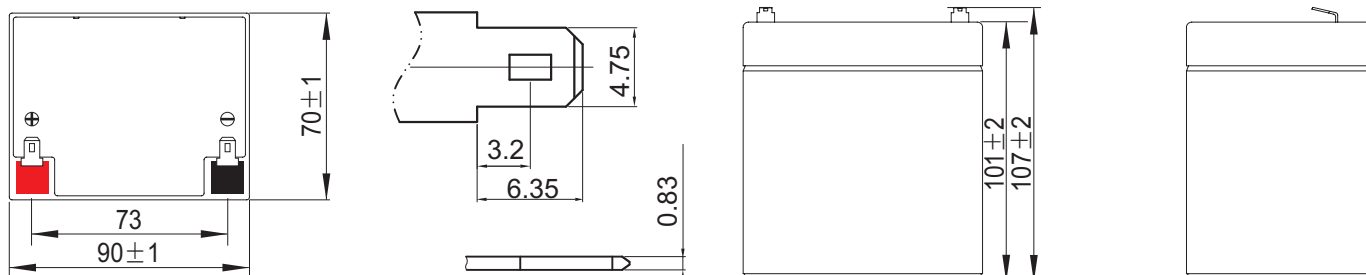
Part Number:	CLI4.5-12
Width:	90 ± 2 mm (3.54inches)
Depth:	70 ± 2 mm (2.76inches)
Container Height:	107 ± 2 mm (4.21inches)
Approx Weight:	0.54 kgs (1.2 lbs)

## Specifications

Electrical Characteristics	Nominal Voltage	12.8V
	Nominal Capacity	4.5AH @ 0.2C
	Energy	96Wh
	Internal Resistance (AC)	20mΩ
	Cycle Life	2500+ cycles @ 1C 100%DOD
	Monthly Self Discharge	Less than 3%
	Efficiency of Charge	100% @0.5C
	Efficiency of Discharge	96~99% @1C
Standard Charge	Charge Voltage	14.6±0.2V
	Charge Mode	0.2C to 14.6V, then 14.6V,charge current to 0.02C (CC/CV)
	Charge Current	2.5A
	Max. Charge Current	4.5A
	Charge Cut-off Voltage	14.6V±0.2V
Standard Discharge	Continuous Current	12A
	Max. Pulse Current	15A (Less than 3s)
	Discharge Cut-off Voltage	10V
Environmental	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
	IP Class	IP65

## Dimensions

T1 Terminal



Model: CLI4.5-12  
Voltage: 12.8V

Capacity: 4.5Ah  
Energy: 96Wh

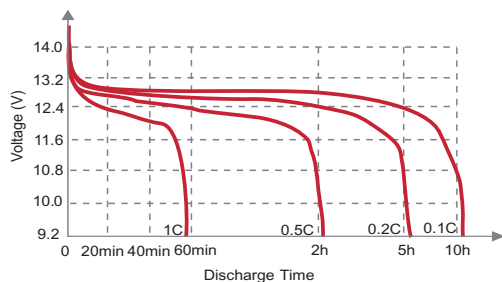
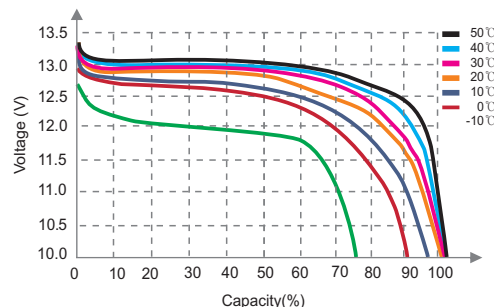
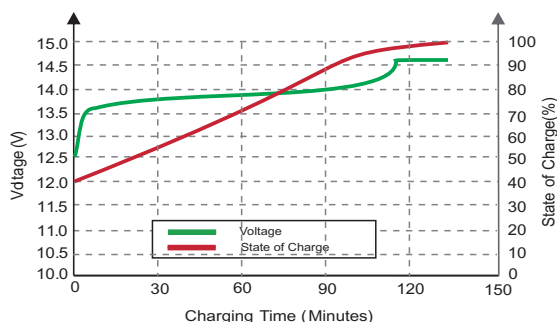
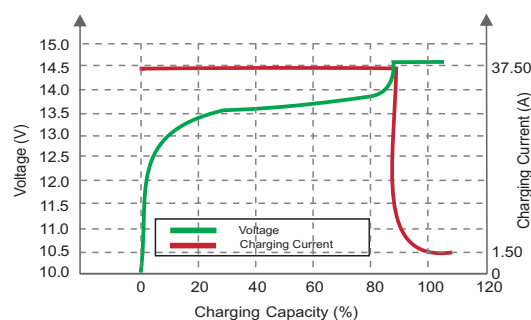
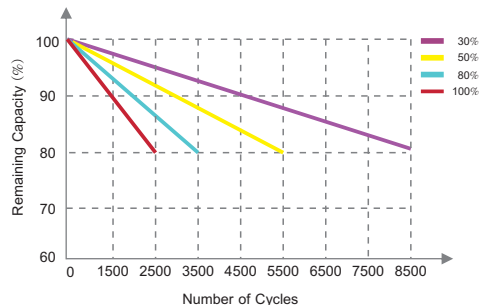
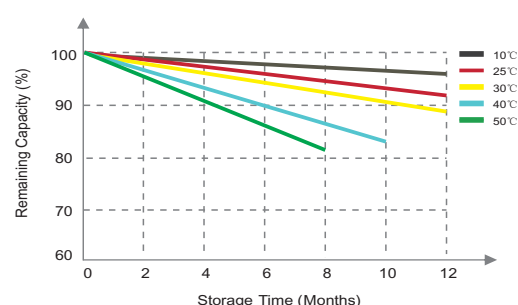
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**CLi4.5-12****12V 4.5AH****Lithium Iron Phosphate****CANBAT****Different Rate Discharge Curve (25°C)****Different Temperature Discharge Curve (0.5C)****State of Charge Curve (0.5C, 25°C)****Charging Characteristics (0.5C, 25°C)****Different DOD Discharge Cycle Life Curve****Different Temperature Self Discharge Curve****Features of Lithium Iron Phosphate LiFePO4 Batteries****MINIMAL SELF-DISCHARGE**

Less than 2% self-discharge per month, which means more power when you need it.

**FASTER CHARGING**

Charges much faster than conventional sealed lead-acid batteries, giving you access to reliable power quicker.

**EASY INSTALLATION**

Canbat lithium iron phosphate batteries are designed to be drop-in replacement for sealed lead-acid batteries.

**HIGH DISCHARGE RATE**

Ability to deeply discharge the battery at a high rate of discharge while maintaining a high energy capacity.

**ENVIRONMENTALLY FRIENDLY**

Toxic-free and acid-free, which makes them environmentally friendly and you can install them in any direction.

**MORE USABLE CAPACITY**

Lithium iron phosphate batteries provide up to 100% of usable energy, which means you can discharge the battery entirely.

**LIGHT WEIGHT**

Lithium batteries are 60% lighter than sealed lead acid batteries, making installing and moving the batteries easier and faster.

Model: CLi4.5-12  
Voltage: 12.8V

Capacity: 4.5Ah  
Energy: 96Wh

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