

# CLI10.5-24

24V 10.5AH

Lithium Iron Phosphate Battery - LiFePO4



## CLI10.5-24



## Physical Specification

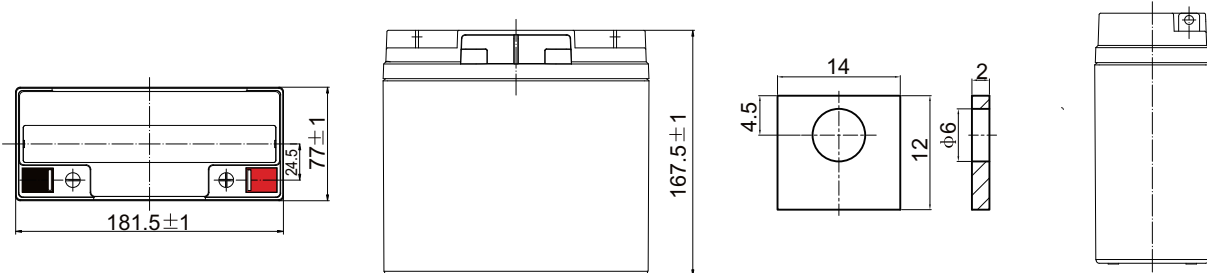
|                   |                            |
|-------------------|----------------------------|
| Part Number:      | CLI10.5-24                 |
| Width:            | 181.5 ± 2 mm (7.15 inches) |
| Depth:            | 77.0 ± 2 mm (3.03 inches)  |
| Container Height: | 167.5 ± 2 mm (6.59 inches) |
| Approx Weight:    | 3.7kg (8.16lbs)            |

## Specifications

|                            |                           |   |
|----------------------------|---------------------------|---|
| Electrical Characteristics | Nominal Voltage           | 25.6V   |
|                            | Nominal Capacity          | 10.5AH  |
|                            | Energy                    | 268.8Wh   |
|                            | Internal Resistance (AC)  | 50mΩ  |
|                            | Cycle Life                | 3000+ 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            | 29.2±0.2V   |
|                            | Charge Mode               | 0.2C to 29.2V, then 29.2V,charge current to 0.02C (CC/CV) |
|                            | Charge Current            | 2A  |
|                            | Max. Charge Current       | 5A  |
|                            | Charge Cut-off Voltage    | 29.2V±0.2V  |
| Standard Discharge         | Continuous Current        | 5A  |
|                            | Max. Pulse Current        | 10A (Less than 3s)  |
|                            | Discharge Cut-off Voltage | 20V   |
| 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

### T3 Terminal



Model: CLI10.5-24  
Voltage: 25.6V

Capacity: 10.5Ah  
Energy: 268.8Wh

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UN38.3



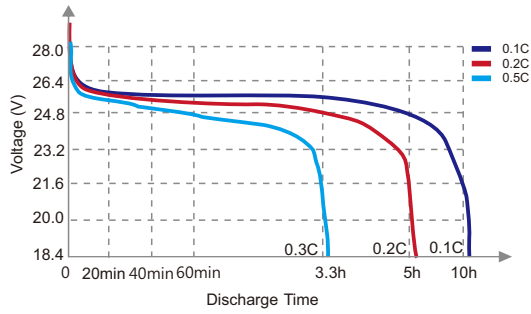
# CLI10.5-24

24V 10.5AH

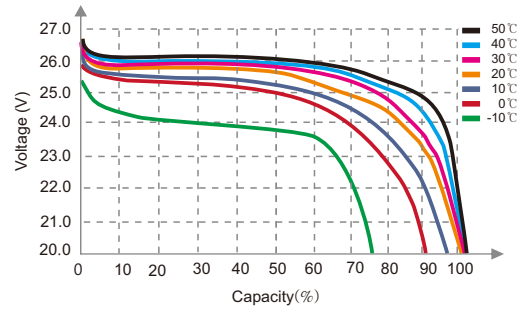
Lithium Iron Phosphate

# CANBAT

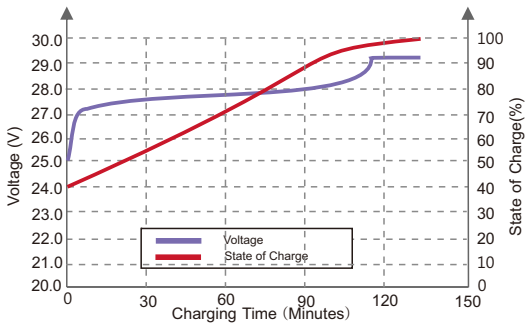
### Different Rate Discharge Curve (25°C)



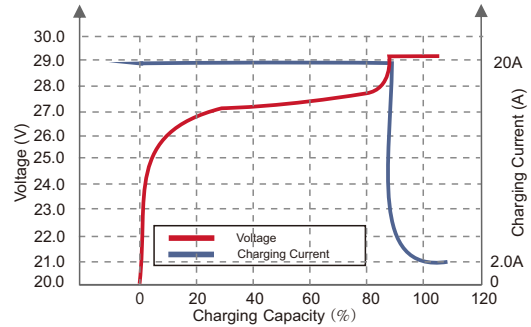
### Different Temperature Discharge Curve (0.5C)



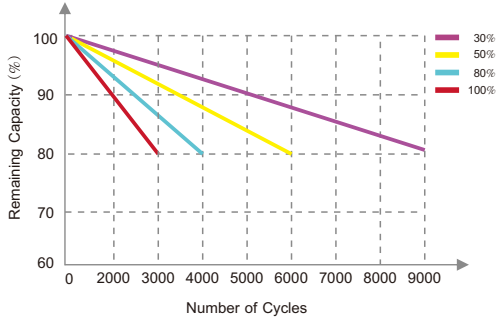
### State of Charge Curve (0.5C, 25°C)



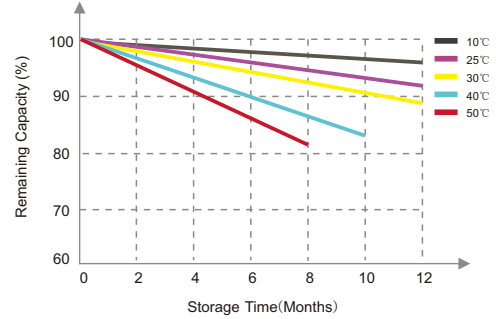
### Charging Characteristics (0.5C, 25°C)



### 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.