**CLI10.5-24**  
24V 10.5AH  
Lithium Iron Phosphate Battery - LiFePO4

### Physical Specification

<table>
<thead>
<tr>
<th>Part Number</th>
<th>CLI10.5-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>181.5 ± 2 mm (7.15 inches)</td>
</tr>
<tr>
<td>Depth</td>
<td>77.0 ± 2 mm (3.03 inches)</td>
</tr>
<tr>
<td>Container Height</td>
<td>167.5 ± 2 mm (6.59 inches)</td>
</tr>
<tr>
<td>Approx Weight</td>
<td>3.7kg (8.16lbs)</td>
</tr>
</tbody>
</table>

### 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**

![Dimensions Diagram](image)

Model: CLI10.5-24  
Capacity: 10.5Ah  
Voltage: 25.6V  
Energy: 268.8Wh  
www.canbat.com  
UN38.3

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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.