## CLI12-12

### Lithium Iron Phosphate Battery - LiFePO4

**Part Number:** CLI12-12  
**Width:** 151 ± 2 mm (5.95 inches)  
**Depth:** 98 ± 2 mm (3.86 inches)  
**Container Height:** 101 ± 2 mm (3.98 inches)  
**Approx Weight:** 1.90 kgs (4.19 lbs)

### Specifications

#### Electrical Characteristics
- **Nominal Voltage:** 12.8V  
- **Nominal Capacity:** 12AH @ 0.2C  
- **Energy:** 153.6Wh  
- **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  
- **Charge Voltage:** 14.6±0.2V  
- **Charge Mode:** 0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)  
- **Max. Charge Current:** 12A  
- **Charge Cut-off Voltage:** 14.6V±0.2V  

#### Standard Charge
- **Continuous Current:** 24A  
- **Max. Pulse Current:** 30A (Less than 3s)  
- **Discharge Cut-off Voltage:** 8V

#### Standard Discharge

#### 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

![Diagram of T2 Terminal](image)

**Model:** CLI12-12  
**Capacity:** 12Ah  
**Voltage:** 12.8V  
**Energy:** 153.6Wh  
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**CLI12-12**

**12V 12AH**

Lithium Iron Phosphate

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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.