CLI4.5-24
24V 4.5AH
Lithium Iron Phosphate Battery - LiFePO4

Physical Specification

Part Number: CLI4.5-24
Width: 151 ± 2 mm (5.95 inches)
Depth: 98 ± 2 mm (3.86 inches)
Container Height: 101 ± 2 mm (3.98 inches)
Approx Weight: 1.21kg (2.67lbs)

Specifications

Electrical Characteristics
- Nominal Voltage: 25.6V
- Nominal Capacity: 4.5AH
- Energy: 115.2Wh
- Internal Resistance (AC): 100mΩ
- 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: 2.25A
- Max. Charge Current: 4.5A
- Charge Cut-off Voltage: 29.2V±0.2V

Standard Discharge
- Continuous Current: 4.5A
- Max. Pulse Current: 8A (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

T2 Terminal

**Lithium Iron Phosphate**

Different Temperature Discharge Curve (0.5C)

Different Rate Discharge Curve (25°C)

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

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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.