CLI33-12
12V 33AH
Lithium Iron Phosphate Battery - LiFePO4

 Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>CLI33-12</th>
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</thead>
<tbody>
<tr>
<td>Width</td>
<td>166 ± 2 mm (6.53 inches)</td>
</tr>
<tr>
<td>Depth</td>
<td>175 ± 2 mm (6.89 inches)</td>
</tr>
<tr>
<td>Container Height</td>
<td>125 ± 2 mm (4.92 inches)</td>
</tr>
<tr>
<td>Approx Weight</td>
<td>4.70 kgs (10.36 lbs)</td>
</tr>
</tbody>
</table>

**Electrical Characteristics**
- Nominal Voltage: 12.8V
- Nominal Capacity: 33AH @ 0.2C
- Energy: 512Wh
- 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: 15A
- Max. Charge Current: 30A
- Charge Cut-off Voltage: 14.6V±0.2V

**Standard Discharge**
- Continuous Current: 60A
- Max. Pulse Current: 80A (Less than 3s)
- Discharge Cut-off Voltage: 8V

**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) @ 80±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

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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.