CLI200-12
12V 200AH
Lithium Iron Phosphate Battery - LiFePO4

Physical Specification

<table>
<thead>
<tr>
<th>Part Number</th>
<th>CLI200-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width:</td>
<td>522 ± 2 mm (20.55 inches)</td>
</tr>
<tr>
<td>Depth:</td>
<td>240 ± 2 mm (9.45 inches)</td>
</tr>
<tr>
<td>Container Height:</td>
<td>224 ± 2 mm (8.81 inches)</td>
</tr>
<tr>
<td>Approx Weight:</td>
<td>29.60 kgs (65.26 lbs)</td>
</tr>
</tbody>
</table>

Specifications

<table>
<thead>
<tr>
<th>Electrical Characteristics</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Voltage</td>
<td>12.8V</td>
</tr>
<tr>
<td>Nominal Capacity</td>
<td>200AH @ 0.2C</td>
</tr>
<tr>
<td>Energy</td>
<td>2560Wh</td>
</tr>
<tr>
<td>Internal Resistance (AC)</td>
<td>20mΩ</td>
</tr>
<tr>
<td>Cycle Life</td>
<td>2500+ cycles @ 1C 100%DOD</td>
</tr>
<tr>
<td>Monthly Self Discharge</td>
<td>Less than 3%</td>
</tr>
<tr>
<td>Efficiency of Charge</td>
<td>100% @0.5C</td>
</tr>
<tr>
<td>Efficiency of Discharge</td>
<td>96~99% @1C</td>
</tr>
<tr>
<td>Standard Charge</td>
<td></td>
</tr>
<tr>
<td>Charge Voltage</td>
<td>14.6±0.2V</td>
</tr>
<tr>
<td>Charge Mode</td>
<td>0.2C to 14.6V, then 14.6V, charge current to 0.02C (CC/CV)</td>
</tr>
<tr>
<td>Charge Current</td>
<td>60A</td>
</tr>
<tr>
<td>Max. Charge Current</td>
<td>120A</td>
</tr>
<tr>
<td>Charge Cut-off Voltage</td>
<td>14.6V±0.2V</td>
</tr>
<tr>
<td>Standard Discharge</td>
<td></td>
</tr>
<tr>
<td>Continuous Current</td>
<td>120A</td>
</tr>
<tr>
<td>Max. Pulse Current</td>
<td>140A (Less than 3s)</td>
</tr>
<tr>
<td>Discharge Cut-off Voltage</td>
<td>8V</td>
</tr>
<tr>
<td>Environmental</td>
<td></td>
</tr>
<tr>
<td>Charge Temperature</td>
<td>0°C to 55°C (32°F to 131°F) @ 60±25% Relative Humidity</td>
</tr>
<tr>
<td>Discharge Temperature</td>
<td>-20°C to 60°C (-4°F to 140°F) @ 60±25% Relative Humidity</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-20°C to 45°C (-4°F to 113°F) @ 60±25% Relative Humidity</td>
</tr>
<tr>
<td>IP Class</td>
<td>IP65</td>
</tr>
</tbody>
</table>

Dimensions

- **M8 Terminal**

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CLI200-12
12V 200AH
Lithium Phosphate

**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.