Rolls LFP batteries allow for equipment design and functionality improvements and deliver productivity gains through enhanced cycling, charge time and weight reductions in stationary and mobile applications. Dramatic improvements in cycle life and charge efficiency combined with zero maintenance requirements provide the end-user with significant cost of ownership savings.

**Efficient and Stable Discharge**
Deliver > 95% of their capacity at high and stable voltages, increasing equipment performance and reducing motor fatigue.

**Partial State of Charge (SOC)**
Rolls LFP batteries will not suffer negative effects from partial SOC.

**Battery Management System**
Integrated Battery Management System to prevent abuse outside of current, voltage and temperature limits.

**Renewable System Ready**
Xanbus comm port provides plug and play integration with SE Conext XW+, SW, SCP ComBox and Solar Charge Controllers

---

### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length (A)</td>
<td>471.5 mm</td>
</tr>
<tr>
<td>Width (B)</td>
<td>18.5 in</td>
</tr>
<tr>
<td>Height (C)</td>
<td>347.5 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>87 kg</td>
</tr>
<tr>
<td>Terminal</td>
<td>M8</td>
</tr>
<tr>
<td>Terminal Torque</td>
<td>9 Nm +/- 3</td>
</tr>
<tr>
<td>Weight</td>
<td>192 lb</td>
</tr>
<tr>
<td>Terminal</td>
<td>Steel</td>
</tr>
<tr>
<td>IP Rating</td>
<td>IP 55</td>
</tr>
</tbody>
</table>

### Charge & Electrical Specifications

- **Open Circuit Voltage**: 51.2 V
- **Charge Voltage**: 54.4 V
- **Maximum Voltage**\(^*\): 58.4 V
- **Minimum Voltage**: 44.8 V
- **Nominal Energy**: 7395 Wh
- **Usable DoD**: 90%
- **Rated kWh Capacity (1C)**: 6656 Wh
- **Rated Ah Capacity (1C)**: 130 Ah
- **Max Continuous Current**: 130 A

### Constant Power - Minutes of Discharge

- **500 W**: 799 minutes
- **1000 W**: 399 minutes
- **2000 W**: 200 minutes
- **2500 W**: 133 minutes

### Constant Current - Minutes of Discharge

- **@10A**: 780 minutes
- **@25A**: 312 minutes
- **@50A**: 156 minutes
- **@100A**: 78 minutes

### Cell Chemistry

- **LiFePO\(_4\)**

### Cell Modules

- **16S 26P**

### Charge Temperature

- **0°C / 45°C**: 32°F / 113°F

### Discharge Temperature

- **-20°C / 50°C**: -4°F / 122°F

### Storage Temperature

- **-20°C / 45°C**: -4°F / 113°F

### Self-Discharge Temperature

- **25°C (77°F)**: < 3% per month (battery off)

---

**CAUTION:** Extra considerations must be given to depths of discharge, operating voltages and currents when designing systems for use at maximum operating temperatures.

---

**NOTE:**
- Qualification is a hand shaking procedure that allows a charger to wake up an Auto-On equipped Rolls LFP battery. Qualification is an optional feature and is not required for standard charging.
- **CAUTION:**
  - Qualification is an optional feature and is not required for standard charging.
  - Extra considerations must be given to depths of discharge, operating voltages and currents when designing systems for use at maximum operating temperatures.