# Battery Specifications

## 18650 LIFEPO4 Battery

### 1500mAh 3.2V

### Technical Specifications / Caractéristiques Techniques

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Brand Name</strong></td>
<td>NX</td>
</tr>
<tr>
<td><strong>Technology</strong></td>
<td>Lithium Iron Phosphate</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>3.2V</td>
</tr>
<tr>
<td><strong>Dimension</strong></td>
<td>18.2 (Ø) x 64.8 (H) mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>42g Approx.</td>
</tr>
<tr>
<td><strong>Standard Capacity</strong></td>
<td>1500mAh - 0.5C current value of 1500mAh at 1C°</td>
</tr>
<tr>
<td><strong>Capacity Range</strong></td>
<td>1450~1550mAh</td>
</tr>
<tr>
<td><strong>Charge Voltage</strong></td>
<td>4.2 ± 0.05 V</td>
</tr>
<tr>
<td><strong>Nominal Voltage</strong></td>
<td>3.2V</td>
</tr>
<tr>
<td><strong>Alternating Internal Resistance</strong></td>
<td>≤60mΩ</td>
</tr>
<tr>
<td><strong>Discharge Cut-Off Voltage</strong></td>
<td>2.5V</td>
</tr>
<tr>
<td><strong>Cut-Off Voltage</strong></td>
<td>3.65±0.05V</td>
</tr>
<tr>
<td><strong>Cut-Off Current</strong></td>
<td>0.01C</td>
</tr>
<tr>
<td><strong>Cycle Characteristic</strong></td>
<td>2000 times</td>
</tr>
<tr>
<td><strong>Max. Continuous Disch. Current</strong></td>
<td>4.5A</td>
</tr>
<tr>
<td><strong>Pulse Discharge Current</strong></td>
<td>10A, 5s</td>
</tr>
<tr>
<td><strong>Working Temperature</strong></td>
<td>Charge: 0 ~ 55°C Discharge: -20°C ~ 60°C</td>
</tr>
<tr>
<td><strong>Storage Temperature</strong></td>
<td>-20°C ~ 45°C</td>
</tr>
</tbody>
</table>

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**Product Description / Description du Produit**

**FR**: Quelques recommandations et précautions d’usages :
- Ne jamais essayer d’ouvrir un accumulateur,
- Ne pas jeter et suivre impérativement la procédure de recyclage,
- Ne pas exposer au feu, Ne pas percer,
- Ne pas exposer à des températures à l’étain directement sur l’élément,
- Ne jamais assembler d’élément,
- Ne pas écraser,
- Ne jamais mettre le ou les éléments en court-circuit,
- Charger avec un chargeur adéquat et recommandé par nos soins,
- Bien respecter les courants de décharge.

**UK**: Usage guidelines:
- Never try to open a battery
- Do not throw away, you must follow recycling procedure
- Do not burn
- Do not pierce
- Do not solder directly on cells
- Do not join cells
- Do not crush
- Do not short circuit
- Charge with an appropriate charger
- Respect discharge currents

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**OUTLINE SAFETY WARNING:**

- **Do not short circuit or over-load the battery.**
- **Charge and discharge inside the minimum and maximum parameters.**
- **Do not heat above maximum temperatures indicated.**
- **Never crush, mutilate, puncture or abuse the battery.**
- **Do not dismantle the pack or disable any of the protective devices or circuits.**
- **DO NOT USE THE BATTERY IF YOU SUSPECT IT MAY BE FAULTY OR DAMAGED.**

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**CHARGE/DISCHARGE CURVES (0.5°C)**

- **Charge-Discharge curves**
  - **Discharge curves at different rates**
  - **Discharge curves at different temperatures**
- **Cycle curve (1C CHARGE/10C DISCHARGE)**

**DISCHARGE CURVES AT DIFFERENT RATES**

- **COURBES DE DÉCHARGE À DIFFÉRENTS TAUX**
- **COURBES DE DÉCHARGE À DIFFÉRENTES TEMPÉRATURE 0.5°C**

18650-1500mAh-3.2V

- **Discharge curves**
  - **Discharge curves at different rates**
  - **Discharge curves at different temperatures**
- **Cycle curve**

**Part No: ACL9011**

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