# Specifications

<table>
<thead>
<tr>
<th>Renata Type</th>
<th>ICP582930</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEC Designation</td>
<td>ICP073032</td>
</tr>
<tr>
<td>Part Number</td>
<td>100650</td>
</tr>
<tr>
<td>Contact method</td>
<td>Wire AWG30</td>
</tr>
<tr>
<td>Safety Circuit</td>
<td>Yes</td>
</tr>
</tbody>
</table>

## Nominal Voltage
- 3.7 V

## Nominal Capacity
- 450 mAh

## Minimum Capacity
- 430 mAh
  - (0.2C cut off 3.0 V at 20°C)

## Internal Impedance
- < 250 mΩ / 30% SOC

## Thickness (t)
- Max 6.2 mm

## Length (l)
- Max 32.0 mm

## Width (w)
- Max 29.5 mm

## Weight
- ~ 9.1 g

## Charging Characteristic
- CC/CV – Constant Current / Constant Voltage
- Voltage: 4.2 V CV
- Current Normal: 0.5 C CC – 225 mA
- Max. Charging Current: 1.0 C CC – 450 mA
- Temperature at Charging: 0 °C …. 45 °C

## Discharge Characteristic
- Cut off Voltage: 3.0 V
- Max Discharge Current:
  - 2.0 C – 900 mA (for non continues discharge)
  - 1.0 C – 450 mA (for continues discharge)
- Temperature during Discharge:
  - -20 °C … 60 °C
- Cycle Life at Room Temperature:
  - > 80% of minimum capacity after 500 cycles (0.5 C charge, 0.5 C discharge)
- Storage Temperature:
  - -20 °C … 45 °C
  - (0 °C … 30 °C recommended in case of storage for more than 3 months)

*Information and contents in this data sheet are for reference purpose only. They do not constitute any warranty or representation and are subject to change without notice. For most current information and further details, please contact your Renata representative.*

---

**ICP582930PR-01**

Rechargeable Lithium Ion Polymer Battery Pack 3.7 V

Safety Circuit, Connector, **IEC62133 certified**