ICP582930PR-01
Rechargeable Lithium Ion Polymer Battery Pack 3.7 V
Safety Circuit, Connector, **IEC62133 certified**

### Specifications

<table>
<thead>
<tr>
<th>Renata Type</th>
<th>ICP582930</th>
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<tbody>
<tr>
<td>IEC Designation</td>
<td>ICP073032</td>
</tr>
<tr>
<td>Part Number</td>
<td>100650</td>
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<tr>
<td>Contact method</td>
<td>Wire AWG30</td>
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<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
- **Voltage**: CC/CV – Constant Current / Constant Voltage
- **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)
- **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)

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