**Features**

High-power lithium-ion rechargeable battery developed by Maxell. Small and lightweight, the lithium-ion rechargeable battery’s applications will be expanded to include high-power applications.

- **Large current discharge**
  Newly developed electrode materials and structure have achieved large current discharge. High-power type (PB series) batteries are suitable for power tools and so on.

- **Stable discharge from −20 deg. C to 60 deg. C**
  High-power cylindrical lithium-ion rechargeable batteries provide stable discharge within a wide range of temperatures, between −20 deg. C and 60 deg. C. High-capacity type (PD series) batteries with improved discharge characteristic in the range between −20 deg. C and 0 deg. C are suitable for radios and mobile devices.

**Applications**

- High-power type (PB series)
- Power tools, cordless home appliances, etc.
- High-capacity type (PD series)
- Wireless radios, handheld mobile terminals, camcorders, etc.

**Products**

<table>
<thead>
<tr>
<th>Model</th>
<th>INR18650PB1</th>
<th>INR18650PB2</th>
<th>INR18650PB2G</th>
<th>ICR18650PD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter (mm)</td>
<td>18.3±0.2</td>
<td>18.3±0.2</td>
<td>18.3±0.2</td>
<td>18.3±0.2</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>41</td>
<td>41</td>
<td>41</td>
<td>46</td>
</tr>
<tr>
<td>Charge (CCCV)</td>
<td>Max. voltage (V)</td>
<td>4.2</td>
<td>4.2</td>
<td>4.2</td>
</tr>
<tr>
<td></td>
<td>Max. current (A)</td>
<td>4.0</td>
<td>4.0</td>
<td>4.0</td>
</tr>
<tr>
<td>Discharge (CC)</td>
<td>End voltage (V)</td>
<td>2.50</td>
<td>2.50</td>
<td>2.50</td>
</tr>
<tr>
<td></td>
<td>Max. current (A)</td>
<td>15</td>
<td>25</td>
<td>30</td>
</tr>
<tr>
<td>Nominal voltage (V)</td>
<td>3.7</td>
<td>3.7</td>
<td>3.7</td>
<td>3.7</td>
</tr>
<tr>
<td>Minimum capacity (mAh)</td>
<td>1450</td>
<td>1450</td>
<td>1450</td>
<td>2250</td>
</tr>
</tbody>
</table>

*1 Dimensions of fresh cell with tube  *2 Approximate values  *3 Please contact Maxell for conditions of use when using as assembled battery.

*4 Measured under the following conditions: Charge CCCV: 1A/4.2V/50mA cut, Discharge CCC: 0.2(A)E.V. = 2.5V, Temperature: 25 deg. C

*5 Measured under the following conditions: Charge CCCV: 1A/4.2V/50mA cut, Discharge CCC: 0.2(A)E.V. = 2.75V, Temperature: 25 deg. C

**Characteristics (INR18650PB1)**

- **Charge characteristics**
  ![Charge characteristics](image)

- **Discharge load characteristics**
  ![Discharge load characteristics](image)

- **Cycle life characteristics**
  ![Cycle life characteristics](image)

- **Discharge temperature characteristics**
  ![Discharge temperature characteristics](image)

- **Note**
  High-power type  High-capacity type

- **Products**
  - **High-power type (PB series)**
  - **High-capacity type (PD series)**

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