**NeuLog battery module BAT-202**

The Battery module supplies power to a sensor, or chain of sensors, operating in the off-line mode, to sensors connected to a RF Communication module and to the SENSE Robotics family.

The Battery module is a rechargeable battery module that can be recharged by connecting it to the PC's USB socket via the included USB cable.

The Battery module has a 3 colors LED: Red when charging the battery; Green when the charging is completed; Orange when current is consumed from the battery.

**Using NeuLog battery module**

The battery module is required where a sensor or a module is not connected to a PC, MAC or a tablet.

**Tablet, smart phone device**

**Materials needed:**

- Any NeuLog sensor
- WIFI-201 Wi-Fi Module
- BAT-202 Battery Module

**Operation with NeuLog viewer**

**Materials needed:**

- Any NeuLog sensor
- VIEW-101 Graphic Display Module
- BAT-202 Battery Module

**Off-line experiments**

Off-line experiments are when you do not have a sensor connected directly to a computer, tablet, Smartphone, or NeuLog viewer.

**Materials needed:**

- Any NeuLog sensor
- BAT-202 Battery Module

**Materials needed to configure your offline experiment:**

- USB-202 module, WIFI-202 module or VIEW-101 Module
- USB to mini USB cable (included with the USB-200 module)

How to use the system is described in the General User Guide.
### Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>2300 mAh</td>
</tr>
<tr>
<td>Maximum Output Current</td>
<td>0.5 A</td>
</tr>
<tr>
<td>Over Output Current Protection</td>
<td>0.5 A</td>
</tr>
<tr>
<td>Module Output Voltage</td>
<td>4.7-5 V</td>
</tr>
<tr>
<td>Module Input Charging Voltage</td>
<td>4.5-6 V</td>
</tr>
<tr>
<td>Module Input Current</td>
<td>~500 mA</td>
</tr>
</tbody>
</table>

In order to fully charge the battery to its maximum capacity, connect it to USB power adaptor with the USB to micro USB cable for about 3-5 hours.

The time which the battery lasts depends on how many sensors are connected and what kind. Also, the Wi-Fi module uses more battery life than a sensor by itself. If you use specific sensors, contact our tech support team (choose "contact us" at [www.NeuLog.com](http://www.NeuLog.com)); they will calculate the battery life for you.

### Included in package

- BAT-202 module.
- USB to micro USB cable.
Maintenance and storage

- Never submerge the NeuLog plastic body in any liquid.
- Store in a box at room temperature out of direct sunlight.

Warranty

We promise to deliver our module free of defects in materials and workmanship for a period of 2 years from the date of purchase. Our warranty does not cover damage of the product caused by improper use, abuse, or incorrect storage. Sensors with a shelf life such as ion selective probes have a warranty of 1 year. Should you need to act upon the warranty please contact your distributor. Your module will be repaired or replaced.

Thank you for using NeuLog.