Battery Expansion Shield
18650 V3
Datenblatt
Content:

1. Specifications
2. Pinout
3. Connection Diagram
1. Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charging Input Voltage</td>
<td>5V</td>
</tr>
<tr>
<td>Charging Current</td>
<td>500mA</td>
</tr>
<tr>
<td>Output Current</td>
<td>Up to 2A</td>
</tr>
<tr>
<td>3V Output Connector</td>
<td>3</td>
</tr>
<tr>
<td>5V Output Connector</td>
<td>3</td>
</tr>
<tr>
<td>Charging Connector</td>
<td>Micro USB</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-20°C to 70°C</td>
</tr>
<tr>
<td>Dimensions</td>
<td>105mm x 30mm x 20mm [4.1in x 1.2in x 0.7in]</td>
</tr>
</tbody>
</table>

The module has an on-board two color LED. When battery is fully charged the LEDs light is green, and when LEDs light is red the module is in charging mode. There is an on-board switch for controlling the USB output connector.

NOTE: The battery expansion module is shipped without a battery.

WARNING: Reversing polarity on any of output connectors or reversing polarity when inserting the battery will damage the module!
2. Pinout

- ON/OFF SWITCH
- 3V - OUT
- 3V - OUT
- 3V - OUT
- USB - CHARGE
- USB (TYPE A) - OUT
- Output

18650 Battery Shield V3
Be careful + and -

- 5V - OUT
- 5V - OUT
- 5V - OUT
3. Connection Diagram

[Diagram showing a connection diagram with labels 18650 Battery, Shield, V3, and instructions to be careful about + and - connections.]
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