Solar Charger Power Bank Use Manual

Applicable to all digital devices with DC 5V input

INTRODUCTION
It is a portable power bank for all kinds of digital devices like smart phones, tablet PC, MP3/MP4, hand-held games console etc.

There is an input Micro USB port, a built-in rechargeable high-performance lithium polymer battery cell, 3 standard smart USB output ports, with CVCC (constant voltage and current limitation) and anti-short circuit protection. An unique LED lighting lamp with lighting function.

Specifications
Input Micro USB DC 5V/2A
Output USB DC 5V/1A, USB2 DC 5V/2A, USB3 DC 5V/2A

Functions display
1. Solar panel
2. Solar charging indicator
3. USB Output port 1, 2, 3
4. USB silicone gel cover for protection
5. Input Micro USB
6. Power indicator
7. Shift power switch
8. Lanyard
9. LED lighting

Charging for power bank
Use input Micro USB to connect 5V DC power supply, which automatically charges for the built-in battery, the battery indicator shows the current battery at the same time. All LED indicators will keep on when the charger is fully charged.

Solar panel can automatically charge the mobile power under the directly sunlight, the solar charging indicator lights up automatically. When the mobile power bank is under charging, and the output USB port has an external load, the built-in battery of power bank and the mobile power load are charged at the same time.

Charge for your phone
When mobile charger is in the standby state, after the USB output port is connected to the mobile phone, it can automatically detects the load, and the 5V output is turned on to charge the mobile phone. The power indicator display the battery level information at the same time. Multiple output ports allow simultaneous load, mobile charger can automatically distribute charging currents to charge digital products, and the total charging current will not exceed the maximum output current.

Output cut off
In the discharging state, the output port load is removed (or the digital product is fully charged), and the mobile charger can be automatically identified. After about 30 seconds, the 5V output turned off and the power indicator turned off.

LED lighting function
In any state, double-click the button to turn on the LED lighting. The lighting is divided into three brightness levels: high, medium and low. The brightness can be switched by pressing a single button. The sequence is: high, medium and low. At any brightness, double-click the button to turn off it. The product automatically memorizes the brightness level when the light is turned off. It is still on the brightness level of last time in use.

Battery display
The power display consist of 4 blue LED lights, each light means about 25%. In the standby state, press the power switch that the blue LED lights on and display battery information.

Charging status

<table>
<thead>
<tr>
<th>Power</th>
<th>LED1</th>
<th>LED2</th>
<th>LED3</th>
<th>LED4</th>
</tr>
</thead>
<tbody>
<tr>
<td>100%</td>
<td>on</td>
<td>on</td>
<td>on</td>
<td>on</td>
</tr>
<tr>
<td>75%~99%</td>
<td>on</td>
<td>on</td>
<td>on</td>
<td>flash</td>
</tr>
<tr>
<td>50%~75%</td>
<td>on</td>
<td>on</td>
<td>flash</td>
<td>off</td>
</tr>
<tr>
<td>25%~50%</td>
<td>on</td>
<td>flash</td>
<td>off</td>
<td>off</td>
</tr>
<tr>
<td>0%~25%</td>
<td>flash</td>
<td>off</td>
<td>off</td>
<td>off</td>
</tr>
</tbody>
</table>

Discharging status:

<table>
<thead>
<tr>
<th>Power</th>
<th>LED1</th>
<th>LED2</th>
<th>LED3</th>
<th>LED4</th>
</tr>
</thead>
<tbody>
<tr>
<td>75%~100%</td>
<td>on</td>
<td>on</td>
<td>on</td>
<td>on</td>
</tr>
<tr>
<td>50%~75%</td>
<td>on</td>
<td>on</td>
<td>on</td>
<td>off</td>
</tr>
<tr>
<td>25%~50%</td>
<td>on</td>
<td>on</td>
<td>off</td>
<td>off</td>
</tr>
<tr>
<td>10%~25%</td>
<td>on</td>
<td>off</td>
<td>off</td>
<td>off</td>
</tr>
<tr>
<td>0%~10%</td>
<td>flash</td>
<td>off</td>
<td>off</td>
<td>off</td>
</tr>
</tbody>
</table>

Protection function
1. Constant voltage output, over voltage protection
2. Constant current output, over loaded protection (After output overload protection is released, it can be restored)
3. Short circuit of output protection (After the short circuit is released, after charging or pressing the key to re-open the output)
4. Internal built in battery protection (both with battery protection and software protection)