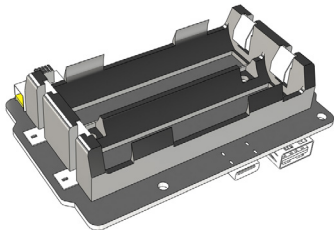# PiPower

A Power Supply Module for Raspberry Pi

- ▷ Pass through Charging
- ▷ Output: 5V/3A
- ▷ Charging: 5V/2A
- ▷ Power Switch
- ▷ 1 Charge Indicator
- ▷ 4 Battery Indicators
- ▷ Dimension: 90mm x 60mm x 24.9mm
- ▷ Battery: 2 x 3.7V 18650 lithium battery (Self-provided)

Introduction

PiPower is a power supply module for Raspberry Pi with recharging function.

It can output 5V/3A power supply to meet various Raspberry Pi usage situation.

It has 4 power indicators; each indicator represents 25% of the power, and is equipped with a power switch to turn on/off the power of the Raspberry Pi without plugging or unplugging the power cord.

When the battery power is low, you can insert a 5V/2A Type-C cable to charge the batteries, and the charging indicator will light up and turn off when fully charged.

You need to use two 18650 flat top rechargeable batteries. The larger the battery capacity, the longer you use. You can choose according to your needs.

For more information, please refer to: pipower.rtfd.io.

Interfaces

5V/2A Charging Port

5V/3A Output Port

Charging Indicator

Power Switch

Battery Indicators
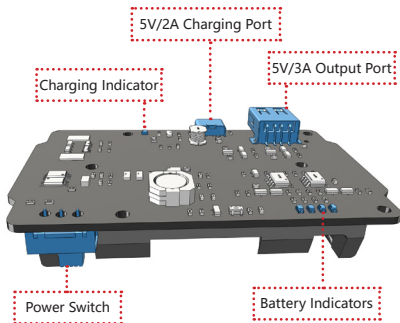
Warnings

1. Please purchase qualified batteries.

2. Pay attention to the poles of the battery, and **DO NOT** connect to the positive and negative poles inversely.

3. Do not use batteries that are damaged in appearance.

4. If you do not use it for a long time, please remove the battery.

Component List

M2.5x6 Screw (6)

M2.5x11 Nylon Standoff (6)

M2.5x8+6 Nylon Standoff (6)

M2.5x20+6 Nylon Standoff (6)

Screwdriver (1)

Type-C USB Cable (1)

Micro USB Cable (1)

SunFounder   PiPower

Back Cover (1)

PiPower Module (1)

Assemble the PiPower

After getting familiar with the components in the package, we start to assemble PiPower.

In the next steps, there are a lot of details you need to notice, especially the assembly position of the battery and the clear acrylic back cover.
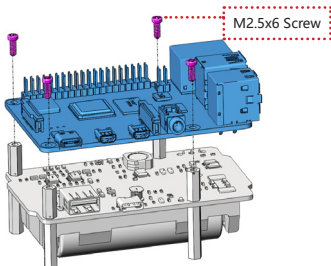
Place the Battery

You can place the battery according to it: anode to anode; cathode to cathode.
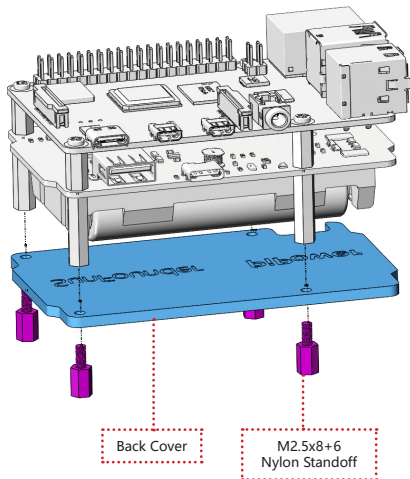
Assemble the PiPower Module

M2.5x11
Nylon Standoff

M2.5x20+6 Nylon
Standoff
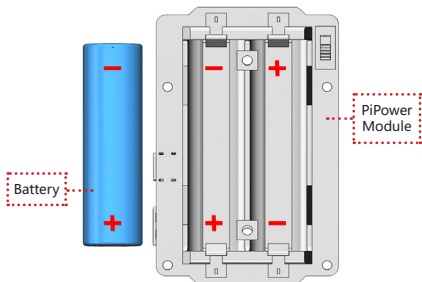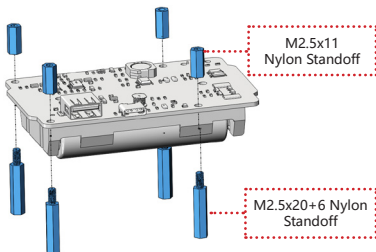
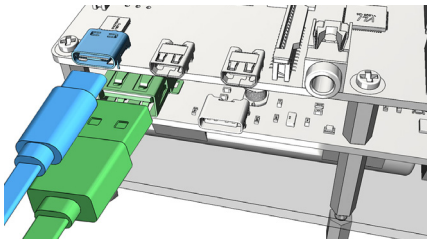## Assemble the Raspberry Pi

M2.5x6 Screw

Assemble the Back Cover

Put the gap side of acrylic back cover under the switch of PiPower module so that you can easily power the PiPower on/off.

Back Cover

M2.5x8+6
Nylon Standoff

Plug the USB Cable

When the battery is about to be run out, you can charge the battery through the Type-C charging port of the PiPower module.