

## PM02 v2 Power Module



PM02 is a simple way of providing your APM and Pix32 with clean power from a LiPo battery as well as current consumption and battery voltage measurements, all through a 6-pos cable. The on-board switching regulator outputs 5.2V and a maximum of 3A from up to a 10S LiPo battery. The Power Module comes completely assembled with XT60 connectors, and wrapped in shrink tubing for protection.

The Power Module is designed to power APM, Pix32, a RC receiver and APM accessories (GPS, radio). It is not designed to power servos. Use your aircraft's own ESC/BEC for that. The GH terminal is also compatible with both Pixhawk4 and Pixhawk4 mini.

### **Spec:**

Max input voltage: 42V

Max current sensing: 120A

Voltage and current measurement configured for 5V ADC

Switching regulator outputs 5.2V and 3A max

Weight: 20g

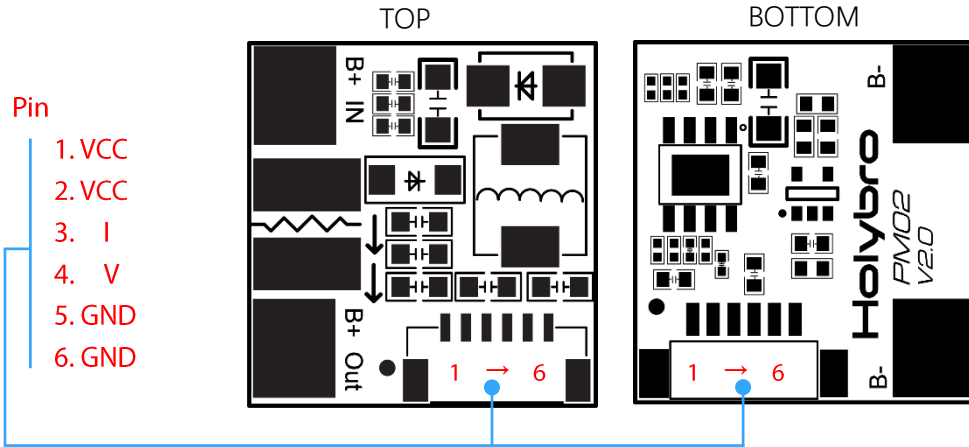
### **Package Include:**

PM02 board\*1

6pin MLX cable \*1

6pin GH cable \*1

## PIN MAP



**Make the PM02 show the quantity of electric charge of your battery**

**Mission Planner setup:**

1. Connect PM02 to the battery, also connect it to Mission Planner via USB.
2. Click "INITIAL SETUP" and come to the menu "Battery Monitor".
3. Make "Monito" into "Voltage and Current".
4. Make "Sensor" into "Other".
5. Make "APM Ver" into "The Cube or Pixhawk".
6. Input "18.1" into Voltage divider (Calced).
7. Input "36" into "Amperes per volt".
8. Disconnect and reconnect it to finish the setting up. ("Measured battery voltage" shows the current quantity of electric charge of the battery.)

