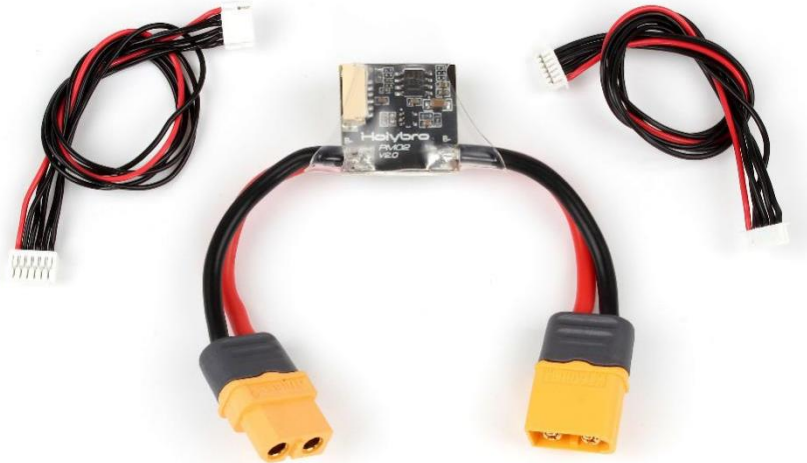


## PM02 v2 Power Module



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

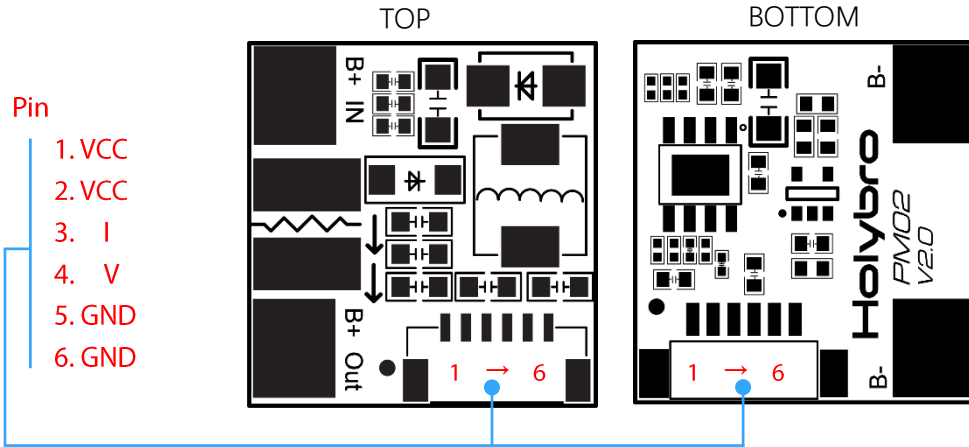
### **Package Include:**

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. In put "**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.)

