PM02 v3 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 12S 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 Pix32,Pixhawk4,Pixhawk4 mini and Durandal.

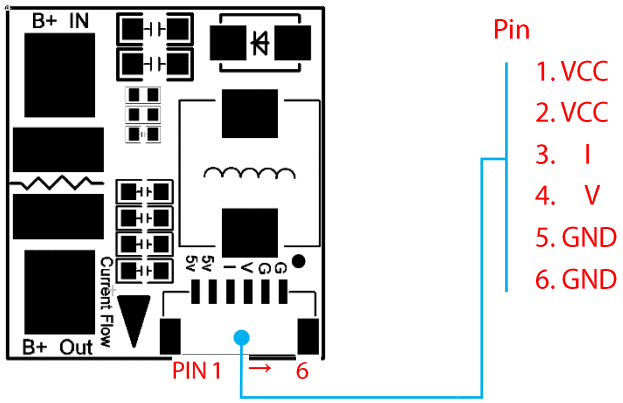
Spec：

PCB Current: total 120A outputs (MAX)
UBEC input voltage : 7~51v (2~12s LiPo)
Supports 12S battery
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.)