

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



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.)

Mission Planner 1.3.58 build 1.3.6794.30567 APM:Copter V3.4.6 (e707341b)

Install Firmware	
Wizard	Monito 4: Voltage and Current 👻
>> Mandatory Hardware	Sensor 0: Other
>> Optional Hardware	AFM Ver 4: The Cube or Pixhawk 🗸
RTK/GPS Inject	C.121
Sik Radio	1. Measured battery voltage: 16.6946849790
Battery Monitor	2. Battery voltage (Calced): 16.6933915190
Battery Monitor 2	4. Measured current:
UAVCAN	5. Current (Calced) 0
Compass/Motor Calib	6. Amperes per volt: 36