

## step 1



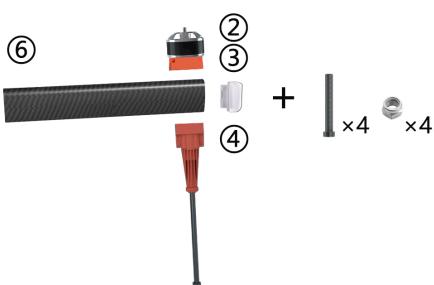
## step 1

② (Motor) fixed on ③ (Motor Holder Top)

## step 2

Put ⑥ (Aerofoil Arm) between ③(Motor Holder Top) and ④ (Motor Holder Bottom), then lock them tightly by screws.

## step 2



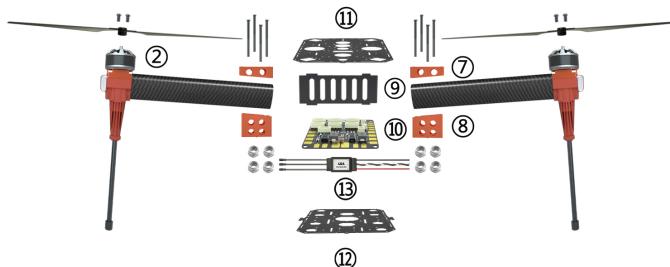
## step 3.1

When finished Step2, Put ⑬ (ESC) up above the ⑫ (Main Bottom Plate) .The same of the rest ESCs

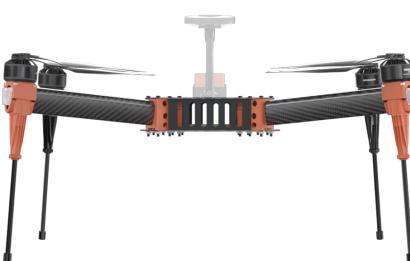
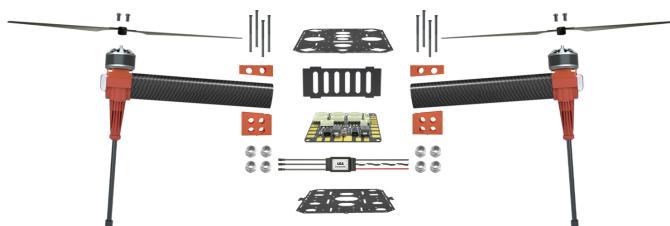
## step 3.2

When finished all the steps up.Put four aerofoil arms in the middle of ⑪ (Main Top Plate) and ⑫ (Main Bottom Plate). Use ⑦ (Joint Top)and ⑧ (Joint Bottom) to connect them.

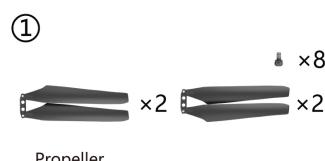
## step 3.1



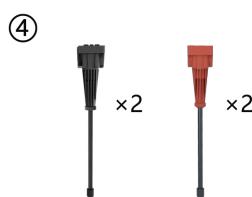
## step 3.2



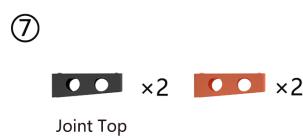
## Part List:



Propeller



Standard Landing Gear



Joint Top



Main Top Plate



Motor

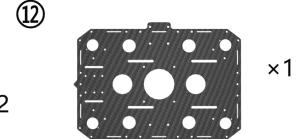
Screws &amp; nut



LED Lamp



Joint Bottom



Main Bottom Plate



Motor holder Top



Aerofoil Arm



Power Distribution Board



ESC

# PDB-40A

## W/ BEC 5V & 12V

SKU: PDB-40A

The PDB-40A has been engineered to provide the highest possible performance and reliability in a 36\*57mm & 4 layers PCB. It distributes power from a LiPo pack to 6 ESCs, as well as providing Switching Regulator DC 5V outputs & Switching Regulator DC 12V for powering Cameras, Servos, RC receiver, Flight Controllers, Video Transmitters, LEDs, etc.

### Features

- 4oz copper, 4-layers & 1.0mm PCB.
- Total 6 pairs ESC solder tabs are fit for H or X type frame
- 5V & 12V Output LED indicators & Short circuit tolerant

### Layout

### Specifications

#### General:

- Input voltage range (3S-6S LiPo operation): 9 - 26V DC
- Regulated 5V and 12V outputs
- LED power indicators ( 5V & 12V outputs )
- 6 ESC outputs & 1 pair VCC/GND pads

#### ESC outputs:

- Peak Current 6x40A
- Continuous current 6x25A

#### BEC 5V output:

- Designed for RC Receivers, Flight controllers, OSD, and Servos.
- DC/DC synchronous buck regulator.
- Voltage: 5.3 +/- 0.1VDC
- Continuous current: 3 Amps
- Output Ripple: 40mV (Vin=16V, VOut=5V@2A load)
- Short-circuit tolerant (5 seconds/minute)
- This connector has the same definition as the cube's carrier board.

#### BEC 12V output:

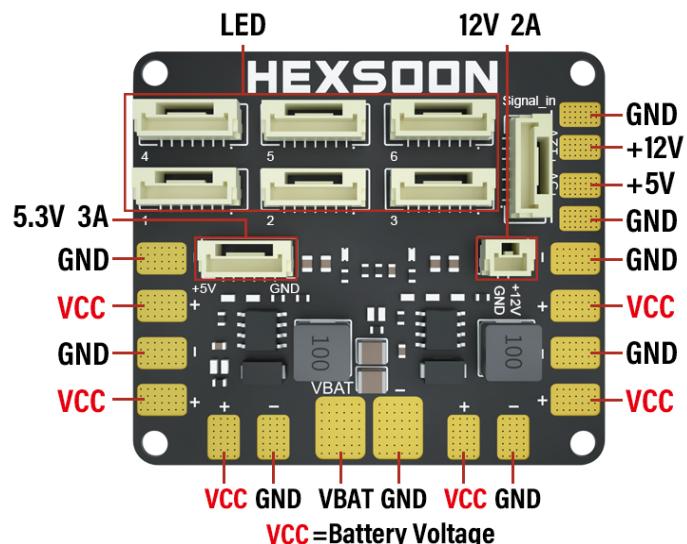
- Designed for Video TX or FPV camera with switching regulator.
- The battery should be 4-6S LiPo (13~26V DC)
- Voltage: 12.0 +/- 0.3VDC
- Continuous current: 2A
- Short-circuit tolerant (2 seconds/minute)

#### BEC 12V @ 3S LiPo

- Output voltage= 3S LiPo voltage -1V

#### Physical:

- Dimensions: 57.2 x 50.5 x 5.2mm
- Mounting: 52 x 45.3mm, Ø3mm
- Weight: 14.5g(w/o 40A)



### Connections

