

YASA-POWER MODULE- (PIXHAWK 2.1)

YASA Technology POWER MODULE (PIXHAWK 2.1) provides regulated power (5V 3A) to autopilot cards. At the same time, it is possible to monitor the battery status, the current drawn by the motors and other peripheral units by sending current and voltage information in real time via the interface. It can operate in a wide battery voltage range from 2S to 8S (7.4-36V).

With its small dimensions (54 x 19 x 18 mm) and light weight (only 20g), it takes up minimal space on UAVs, thus maximizing valuable payload capacity and flight time. This power module is specifically designed to power Pixhawk® autopilot systems and accessories (GPS, radio, receiver, etc.).

Applications:

This power module is designed to supply Pixhawk® based autopilot systems and accessories. It should be used to feed the flight control system directly, not for servo motors. It is recommended to use the aircraft ESC/BEC system for servo motors.

Connection and Protection:

The module comes fully assembled with XT-60 connectors and is covered with heat-shrink tubing to protect against physical damage.

Compatibility:

The POWER MODULE (PIXHAWK 2.1) is designed to be fully compatible with Pixhawk® based autopilot systems. It provides both power supply and transmission of current and voltage data via a 6-pin connection cable.

MECHANICAL DIMENSIONS



POWER MODULE

Specifications:

- Max input voltage: 40V
- Continuous current sensing: 30A
- Output voltage: 5V DC
- Maximum output current: 3A
- Connectors: XT-60
- Dimensions: 54 x 19 x 18 mm
- Weight (Wired): 20g
- Cable Length: 20cm

Pinout and Connections:

Pin (Color)	Signal	Voltage
1 (Red)	VCC	+5V
2 (Red)	VCC	+5V
3 (Black)	CURRENT	Up to +3.3V
4 (Black)	VOLTAGE	Up to +3.3V
5 (Black)	GND	GND
6 (Black)	GND	GND

