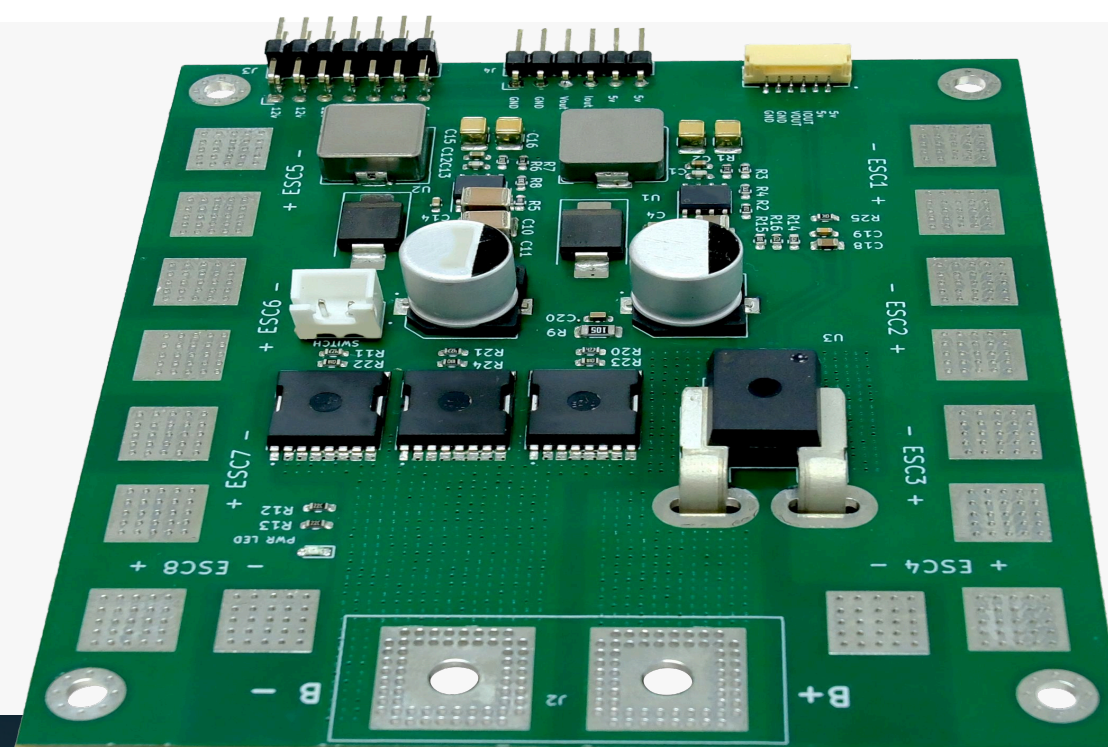


PDB 400A

The axldrone PDB 400A is a professional-grade power distribution board built for heavy-lift hexacopters and octacopters, as well as other high-power systems.

Features

- 400A continuous current support for high-power systems.
- 8 x 60A output pads for delivering high currents to multi-motor configurations.
- 4-layer Large-Area Copper Planes for efficient high-current handling
- Integrated current sensor enables real-time power monitoring
- Dual 5V and 12V BEC outputs provide regulated power for flight controllers and onboard electronics.
- Soft power switching enables controlled and safer system startup
- Dedicated FC JST power ports simplify flight controller power connections



Capabilities

- Supports heavy-lift hexa & octocopter systems
- Stable and organized power delivery to onboard electronics
- Real-time current monitoring
- High-voltage support up to 60V / 14S

Applications

- Heavy-lift hexa & octocopters Systems
- High-power robotics
- Industrial UAV platforms
- Autonomous ground vehicles
- Embedded systems

Specifications

Board Dimensions	106 mm × 87 mm ×12 mm
Mounting Hole	M3
Weight	55 g
PCB Material	High-density FR4
Input Voltage	14-60 V (14S max)
Maximum Current Handling	400A
Output Channels	8
Current per Output Pad	60A Continuous (Max 100A)
Sensors	Hall effect current and voltage sensor
BEC	12V / 4A, 5V / 4A
Power Switch	MOSFET Electronic Soft Switch
Connectors	One 6-pin JST, header pin p14 2.5mm, header pin p6 2.5mm, 2-pin JST 2.5mm



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