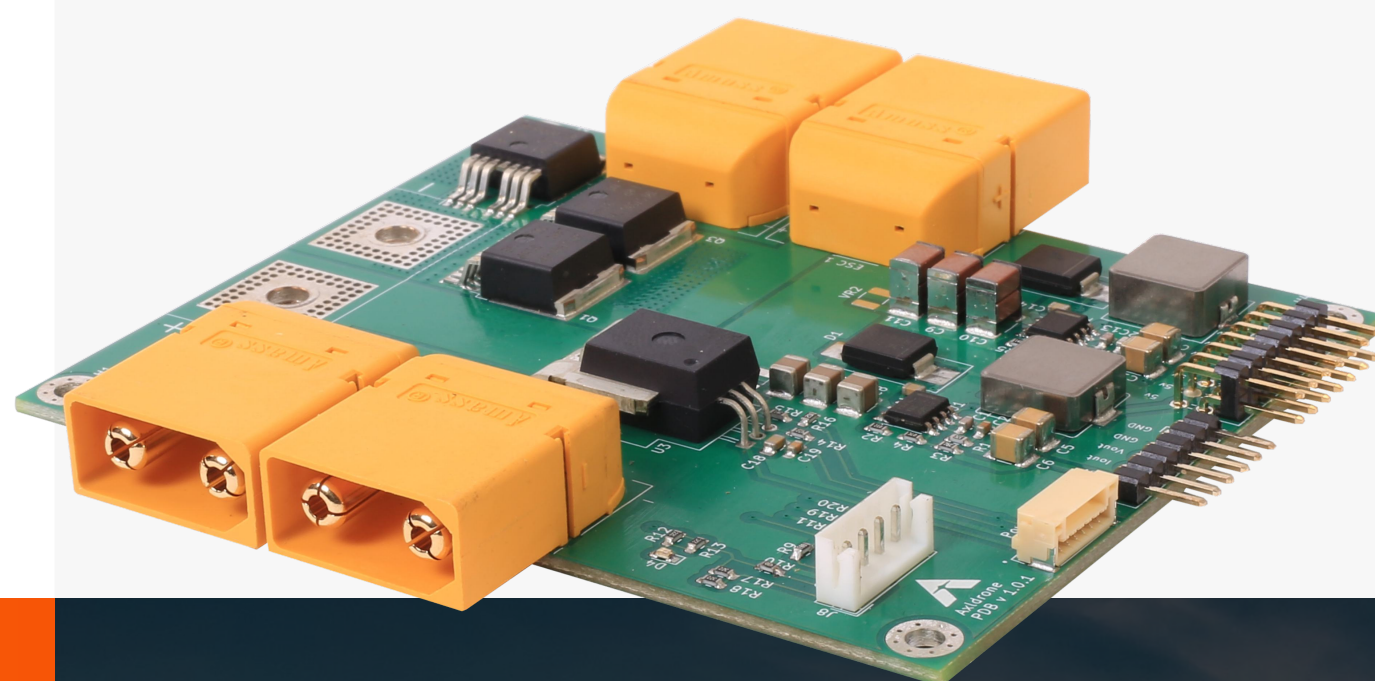


PDB 200A

High-current Power Distribution Board, designed for reliable power distribution in drones and other high-power platforms



Features

- 200A continuous current handling for high-power drone systems.
- 4 × XT90 connectors for reliable ESC and motor power distribution.
- Integrated current and voltage sensing for real-time power monitoring.
- Anti-spark soft switching for safer and smoother power-up.
- 5V and 12V regulated outputs for flight controllers and onboard electronics.
- Compact and lightweight design for easy system integration.



Capabilities



High-power system integration



Multi-motor power distribution



Power monitoring and protection



Support for multiple electronic systems

Applications

- Electric Vehicles
- Robotics
- Industrial Automation
- UAVs & Aerial Platforms

Specifications

Board Dimensions	105 × 105 × 12 mm
Mounting Hole	M3
Weight	90 g
PCB Material	High-density FR4
Input Voltage	20-60 V (14S max)
Maximum Current Handling	200A
Output Channels	4
Current per Output Pad	Up to 50 A continuous (Max 100A)
Sensors	200 A hall effect current and voltage sensor
BEC	12 V / 5 A and 5 V / 5 A
Power Switch	MOSFET Electronic Soft Switch
Connectors	1 × SM06B-GHS-TB, P14 2.5 mm header pin, P6 2.5 mm header pin, and 4 × XT90



Headquarters and R&D Center

Digital Hub, Kerala Technology Innovation Zone, Kinfra
Hi-Tech Park, Kalamassery, Kochi, Kerala 683503
Ph: +91 949 771 7654
Email: info@axldrone.com

Manufacturing Unit

Kannambra, Palakkad,
Kerala, India - 678686,
Ph: +91 949 771 7654

Global R&D and Export

C5, UL Cyberpark, SEZ,
Calicut, Kerala, India - 673016
Ph: +91 495 297 3774

Global Sales and Support

1441 Broadway, #5, New York,
NY 10018, USA

