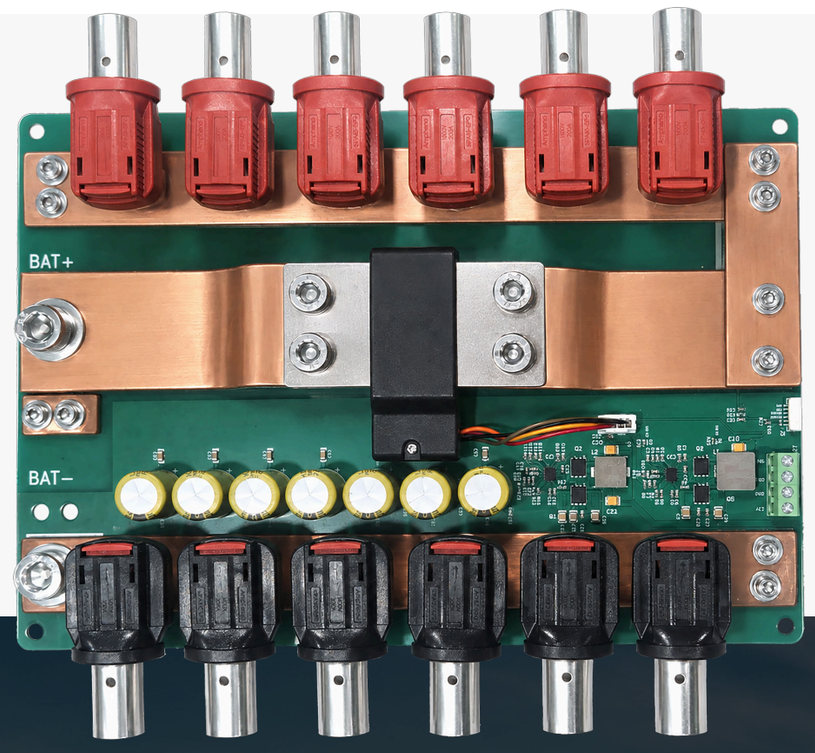
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your world from above

PDB 1000A

The PDB 1000A is a high-current power distribution board designed to efficiently distribute and manage power across heavy-lift and military grade UAVs and VTOLs, robotics, and other high-power embedded systems.



Features

- Handles up to 1000A continuous distributed current.
- Provides six dedicated 200A high-current output terminals for multi-load power distribution.
- Built-in shunt current sensor and voltage sensor
- Dual regulated BEC outputs 12V @ 5A and 5V @ 5A provide power for onboard electronics.
- Passive copper-plane heat dissipation supports thermal management without additional cooling components.
- Heavy-duty power connectors support secure, low-resistance high-current connections to Electronic Speed Controllers (ESC) and motors.



Capabilities

- Power Hexacopters
- Handles 1000A high-current loads
- Supports heavy-lift propulsion systems
- Monitors power in real time

Applications

- Heavy-lift Hexacopters and Industrial drones
- High-power robotics
- Autonomous ground vehicles
- Military grade multirotor drones and VTOL platforms
- High capacity Agricultural and Surveillance drones.
- Embedded systems requiring high current distribution

Specifications

Board dimensions	260 x 219 x 56.8 mm (L x W x H)
Mounting hole	M5
Weight	2.5 kg (with 6 connectors)
PCB material	FR4 with Copper Bus Bar
Input voltage	80 V (18S max)
Maximum current handling	Up to 1000 A (Distribution load)
Output Channels	6
Current per output pad	200 A Continuous
Sensors	Integrated Shunt Current Sensor
BEC output	12V & 5V @ 5A each
Connectors	6 × 200 A High-Current Output Terminals, 6-pin JST Connector, Screw terminal Connectors

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