OHM pd-1

power distribution board / development module

READ BEFORE CONNECTING A BATTERY

intended use

For research, development and laboratory use by technically qualified persons. This is a bare electronic module, not a finished consumer product. Not for use by children.

not certified

This module has not been tested or certified to CE, FCC, UKCA, ECAS or any other conformity mark. Anyone who builds it into a product is responsible for that product's compliance.

ratings

- input: 9.0–25.2 V (3S–6S LiPo only). Never exceed 25.2 V.
- 5 V rail: 3 A total. Power your load from **either** the 5 V pads (3 A) **or** the usb-c port (15 W), not both at once.
- 3.3 V rail: 800 mA maximum. The regulator gets hot above 0.5 A.
- usb-c is a 5 V **output only**. Do not connect a charger or a computer as a power source.
- 12 V pads: regulated 12 V from any 3S–6S pack, up to 2.5 A.

battery safety

- fit a fuse in the battery lead. The board has no fuse.
- check polarity before connecting: red (+) to BAT+, black (−) to BAT−.
- do not short any output. Disconnect the battery when not in use.
- never leave a powered or charging LiPo unattended. Store and charge LiPo packs in a fire-safe bag.

handling

- the inductors, regulators and diodes get hot during use. Do not touch them while powered.
- keep the board dry and free of metal debris. Mount it on insulated standoffs.
- the board is static-sensitive. Handle it by the edges.
- use only within the limits in the OHM pd-1 datasheet (rev 1.2).

limited warranty

A board that is faulty on arrival will be replaced if it is reported within 14 days of delivery. The warranty does not cover damage from over-voltage, reverse polarity, short circuits, overheating, water, modification, or use outside the datasheet ratings.

limitation of liability

To the extent permitted by UAE law, OHM Engineering and any reseller are not liable for damage to batteries, connected equipment or property, or for indirect or consequential loss, arising from the use or misuse of this module. Total liability is limited to the price paid for the module. Nothing on this card limits rights that cannot be excluded under applicable law.

disposal

Do not put this module in household waste. Take it to an electronic-waste collection point.

`supplied by`
OHM Engineering, Dubai, UAE

`support and datasheet`
www.ohmengineering.systems/docs/

`batch / date`

By connecting a battery to this module you confirm you have read this card.