

# Digital Power Module (2-14S)

PMD05V

The PMD05V is designed to deliver a stable and regulated power supply from the battery to Godwit G-A1 or Pixhawk® 5X and 6X. It also provides real-time battery voltage and current measurement through I2C interface. The onboard switching regulator supports 5.2V/3A output for various peripherals, and is compatible with LiPo batteries up to 14S.

The PMD05V comes fully assembled with XT60 connectors and is protected by heat-shrink tubing to enhance durability against physical damage.

## Key Features

- Compact design
- Power output for various peripherals
- Supports high voltage up to 14S LiPo batteries

## Specifications

<b>Scope of Application</b>	Used with Godwit G-A1, Pixhawk 5X/6X compatible
<b>Power Monitor IC</b>	TI INA228
<b>Power Monitor Protocol</b>	I2C
<b>Input Voltage</b>	2S-14S
<b>Continuous Current Rating</b>	60A*
<b>Burst Current Rating</b>	100A*
<b>Max Current Sensing</b>	327A
<b>Output Voltage</b>	5.2V/3A (15W Max.)
<b>Connectors</b>	Input: XT60-F silicone wire (AWG 12) Output: XT60-M silicone wire (AWG 12)
<b>Dimensions</b>	25 x 30 x 10 mm (PCBA only) 25 x 240 x 10 mm (PCBA with XT60 cables)
<b>Weight</b>	30 g
<b>Accessories</b>	200mm Molex compatible 2.0mm 6P to 6P cable (AWG 24)

\*The PMD05V comes with XT60 connectors and AWG12 wires rated for 60A continuous current and 100A burst current (<60 seconds).



## Pin Definition

