

holybro-power-module-comparison.md

> For the complete documentation index, see lms.txt (<https://docs.holybro.com/lms.txt>). Markdown versions of documentation pages are available by appending `.md` to page URLs; this page is available as Markdown (<https://docs.holybro.com/power-module-and-pdb/power-module-comparison.md>).

Power Module Comparison

DroneCAN Power Module

Applicable to all Holybro Flight controllers and any Pixhawk standard controllers with CAN Bus

Model	
PM08-CAN	
Input Voltage	7 to 60V (2S to 14S)
Current Rating	Continuous current: 200A Burst current: 400A @ 25°C 1 sec 1000A @ 25°C 1 sec
Max Current Sensing	376A
Output Voltage	5.2V/3A Max
Ports	Molex CLIK-Mate 2mm 6Pin
Communication Protocol	DroneCAN
Dimensions	45 × 41 × 26mm (Not Include Cable)
Weight	185g (Include Cable)
Mounting Hole	Available
Applicable Products	All Pixhawk standard flight controller with CAN Bus

Digital Power Modules

(Applicable for Pixhawk 5X & 6X and other FMUV6X FC)

Model	PM02D	PM03D	PM06D
Input Voltage	2~6S	2~6S	2~14S
PCB Cont./Burst Current Rating	60A/100A	60A/120A	70A/120A
Max Current Sensing	164A	164A	327A
Output Voltage	5.2V/3A Max	5.2V/3A Max	8V/12V 3A (Selectable)
Ports	XT60	XT60	XT60
Dimensions	25 x 25 x 10 mm	84 x 78 x 12 mm	35 x 35 x 10 mm
Weight	20g	59g	24g
Mounting Hole	N/A	45 x 45 mm	30.5 x 30.5 mm
Applicable Products	Pixhawk 5X & 6X	Pixhawk 5X & 6X	Pixhawk 5X & 6X

Analog Power Module

(Applicable for Pixhawk 6C & 6C Mini, Pix32 V6, Cube Orange, etc)

Model	PM02 V3	PM06 V2	PM07
Input Voltage	2~6S	2~6S	2~6S
PCB Cont./Burst Current Rating	60A/100A	60A/120A	70A/120A
Max Current Sensing	164A	164A	327A
Output Voltage	5.2V/3A Max	5.2V/3A Max	8V/12V 3A (Selectable)
Ports	XT60	XT60	XT60
Dimensions	25 x 25 x 10 mm	84 x 78 x 12 mm	35 x 35 x 10 mm
Weight	20g	59g	24g
Mounting Hole	N/A	45 x 45 mm	30.5 x 30.5 mm
Applicable Products	Pixhawk 5X & 6X	Pixhawk 5X & 6X	Pixhawk 5X & 6X

module-pm07"	PM07</td></tr><tr><td>Input Voltage</td><td>2~12S</td><td>2~14S</td><td>2~14S</td></tr><tr><td>PCB Cont./Burst Current Rating</td><td>60A/100A</td><td>70A/120A</td><td>90A/140A</td></tr><tr><td>Max Current Sensing</td><td>120A</td><td>120A</td><td>120A</td></tr><tr><td>Output Voltage</td><td>5.2V/3A Max</td><td>5.2V/3A Max</td><td>5.2V/3A Max</td></tr><tr><td>Ports</td><td> - XT60 6Pin GHR 1.25mm </td><td> - XT60 6Pin GHR 1.25mm - B+ Pads *2 </td><td> - XT60 6Pin GHR 1.25mm *2 - B+ Pads *8 - PWM Header </td></tr><tr><td>Built-in Power Distribution</td><td>No</td><td>Yes</td><td>Yes</td></tr><tr><td>PWM Header</td><td>No</td><td>No</td><td>Yes</td></tr><tr><td>Dimensions</td><td>25 x 25 x10 mm</td><td>35 x 35 x10 mm</td><td>68 x 50 x 10 mm</td></tr><tr><td>Weight</td><td>20g</td><td>24g</td><td>43.8g</td></tr><tr><td>Mounting Hole</td><td>N/A</td><td>30.5 x 30.5 mm</td><td>45 x 45 mm</td></tr><tr><td>Applicable Products</td><td> - Pixhawk 6C/6C Mini - Pix32 V6 - etc </td><td> - Pixhawk 6C/6C Mini - Pix32 V6 - etc </td><td> - Pixhawk 6C/6C Mini - Pix32 V6 - etc </td></tr></tbody></table>
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# Agent Instructions
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```
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```

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`ask` is the immediate question: it should be specific, self-contained, and written in natural language.
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