Specifications

- Wide 9V to 55V Operating Input Range with TVS protection
- 2x independent Step-Down Voltage Regulators
- OUT-1 Vx, 5V / 6V / 7.2V / 12V output options(5v default). 4A continuous, 5A Peak. ON/OFF is controllable by PWM signal.
- OUT-2 5V (Fixed), 4A continuous, 5A Peak
- Output ripple: 20mV (VIN=50V, Output 5v @ 4A), 40mV (VIN=50V, Output 12V @ 4A),
- Size & Weight: 50 x 32 x 7mm, 18g
- Packing: 1x PM12S-4A (no wires)

Settings

1. Set the OUT-1(Vx) voltage

- Output voltage indicators, 5V Red, 6V Green, 7.2V Green, 12V Blue
- Press and hold the button for 3 seconds to enter the setting of the OUT-1 voltage.
- The LED on the current output voltage will blink. then press button to choose the voltage between 5V(Red), 6V(Green), 7.2V(Green), 12V (Blue) .
- The value will be saved if no button action within 3 seconds.

2. PWM control

- PWM Freq & Range: 50Hz-330Hz, 900-2100
- OUT-1 Default output is ON if no PWM signal connected
- Connect the PWM pin and GND to a spare PWM channel on the receiver or flight controller.
- OUT-1 will be turned OFF when the auxiliary switch's pwm value becomes higher than 1800. It will be turned ON when the value falls below 1200.



MATEKSYS Power Module PM12S-4A

* 9~55V DC IN (3~12S LiPo)
* 2x independent Step-Down Voltage Regulators
* OUT-1, BEC Vx, 5V / 6V / 7.2V / 12V options, 4A cont., 5A Peak
  support ON/OFF control by PWM signal
* OUT-2, BEC 5V, 4A continuous, 5A Peak

* 50x32x7mm
* 18 g