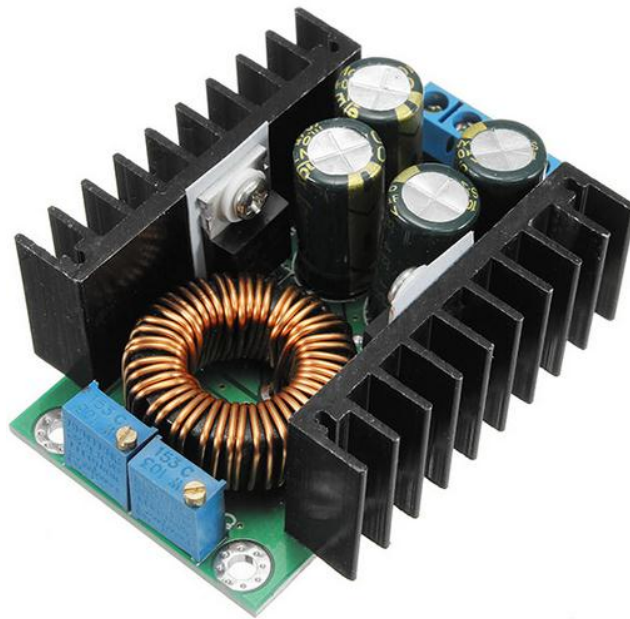




8A CC-CV Step Down(Buck) DC-DC Converter

This is Constant-Voltage (CV) and Constant-Current (CC) DC/DC step down regulator module, adjustable +1.2 to 35Vdc output voltage at maximum output current of 0.2A ~8A. Ideal for battery operated projects requiring a higher current regulated power supply. Applications include LED drivers, battery chargers and regulated variable power supply. This converter operated in buck topology, i.e. step down converter. The input voltage must higher than output voltage.

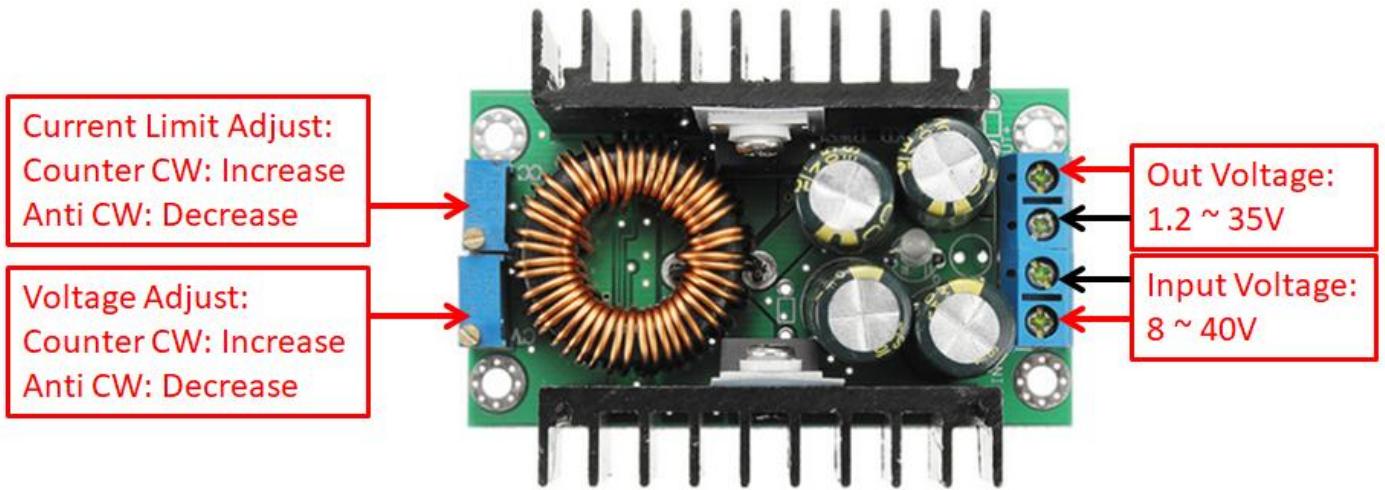


SKU: [PSU1009](#)

Brief Specification:

- Input voltage: 8~40V.
- Output Voltage Range: 1.2 ~ 35V continuous adjustable.
- Output Current Range: 0.2 ~ 8A (max) continuous adjustable.
- Output ripple Voltage: 50mV (20MHz bandwidth).
- Output short circuit protection: Yes, Constant Current (CC) Limit.
- Load regulation: 1%.
- Voltage Regulation: 1%.
- Dynamic response speed: 5% 200uS.
- Switching Frequency: 180KHz.
- Efficiency: up to 95%
- Board Size: (65 x 47 x 23) mm (LxWxH)

Functional Diagram:



Propose to add a cooling fan if operating continuously with load current of more than 5A.



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