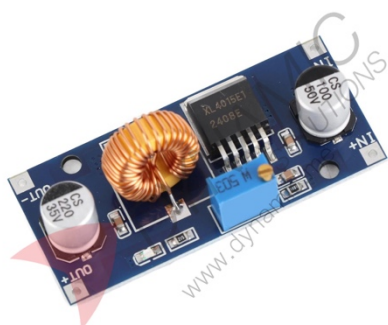


DC-DC Step Down Buck Converter

XL4015 5A



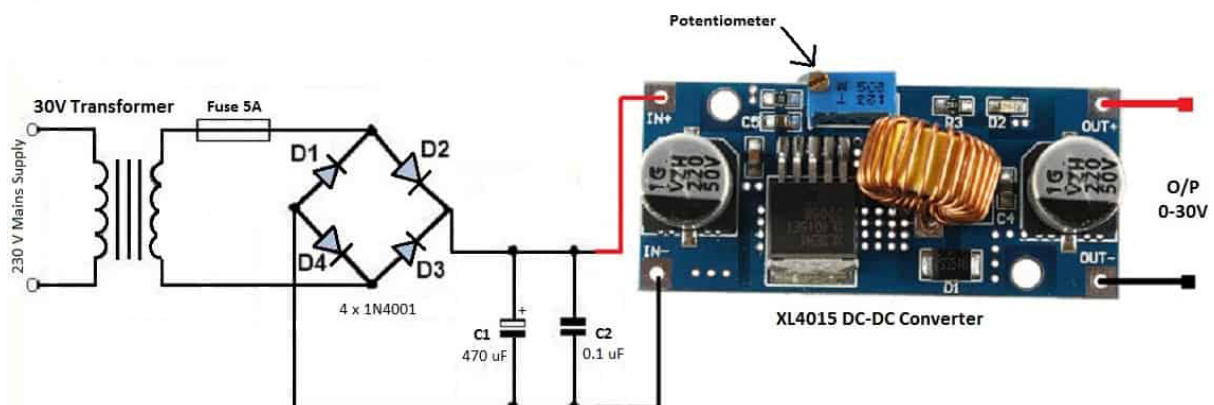
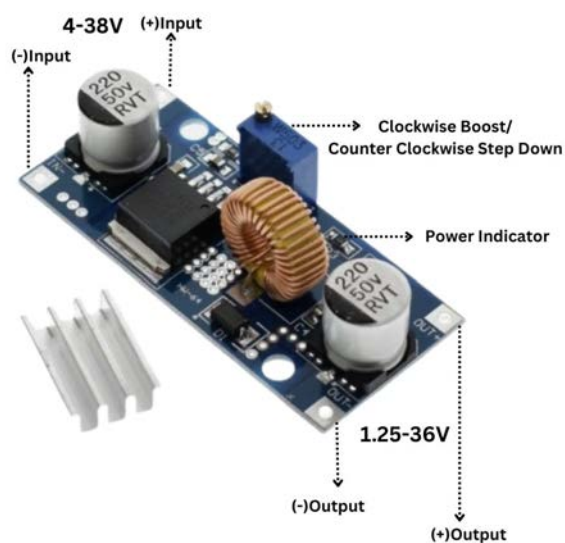
Features:

The XL4015 Buck Converter is a high-power, non-isolated DC-DC step-down regulator designed for applications where the input voltage exceeds the required output. Delivering up to 5A output current with conversion efficiency up to 96%, it offers adjustable voltage from 1.25V to 36V. Built-in safety features include over-temperature and short-circuit protection. With its compact form factor and reliable performance, this module is widely used in battery charging, automotive adapters, industrial electronics, and DIY adjustable power supplies.

Specifications	
Model	XL4015 Buck Converter
Type	Non-isolated DC-DC step-down module
Input Voltage	4V – 38V
Recommended Input Range	8V – 36V
Output Voltage	1.25V – 36V (adjustable)
Output Current	0 – 5A
Output Power	75W (max)
Conversion Efficiency	Up to 96%
Operating Frequency	180 KHz
Operating Temperature	-40°C to +85°C
Load Regulation	≤ 0.8%
Voltage Regulation	≤ 0.8%
Short Circuit Protection	Yes (limit 8A)
Over-Temperature Protection	Yes (auto shutdown)
Reverse Polarity Protection	No
Mounting Method	2 × 3 mm screws
Connection Method	V-IN input, V-OUT output (solder)
Dimensions	54 × 23 × 15 mm
Weight	~20 g
Applications	Battery charging, DIY PSU, car laptop adapters, industrial equipment

Pinouts:

Pin Name	Type	Description
V-IN (+)	Power	Positive input voltage (4–38V DC)
V-IN (-)	Power	Negative input (ground)
V-OUT (+)	Power	Positive regulated output (1.25–36V DC)
V-OUT (-)	Power	Negative output (ground)



Product Pictures:

