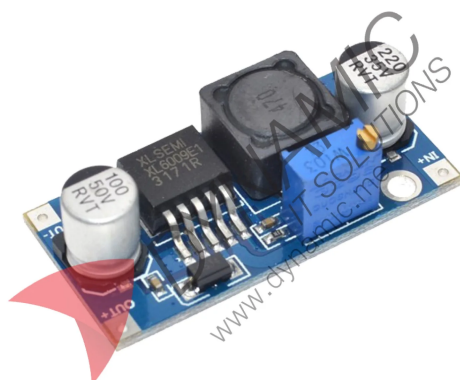


DC-DC Booster Module XL6009



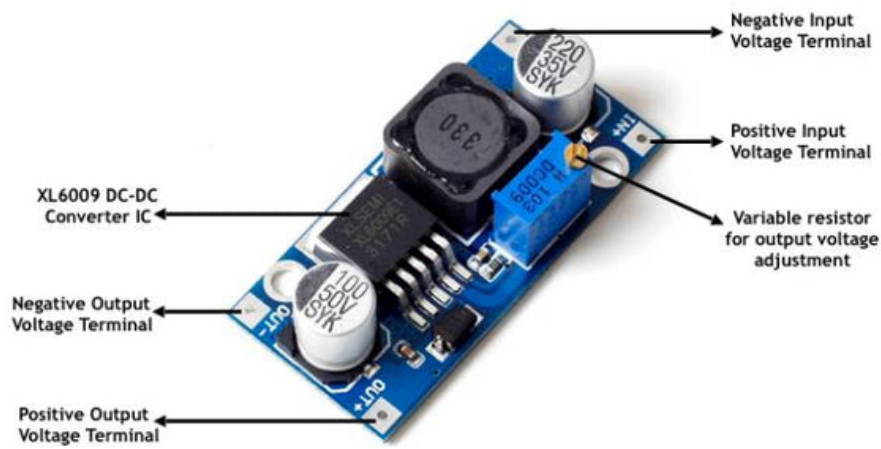
Features:

The XL6009 DC-DC converter module is a high-efficiency boost (and buck-boost) regulator capable of delivering up to 4A output current with excellent voltage and load regulation. Utilizing the XL6009 IC, it supports both fixed and adjustable output modes, operating at a high switching frequency of 400kHz, which enables the use of compact filter components and a reduced overall module size. It is a performance upgrade over older LM2577-based modules and is ideal for applications needing efficient voltage step-up.

Specifications	
Input Voltage	3 V – 32 V DC
Output Voltage	5 V – 35 V (adjustable)
Maximum Output Current	4 A
Efficiency	Up to 94%
Switching Frequency	400 kHz
Load Regulation	±0.5%
Voltage Regulation	±0.5%
Output Adjustment	Onboard potentiometer
Module Type	Non-isolated, constant voltage
Rectification Type	Non-synchronous
Short Circuit Protection	Current limiting auto-recovery
Dimensions	45 mm × 20 mm × 14 mm (L×W×H)

Pinouts:

Pin Name	Type	Description
IN+	Power Input	Positive input voltage (regulated or unregulated)
IN-	Power Ground	Negative input / ground
OUT+	Power Output	Positive regulated output
OUT-	Power Ground	Negative output / ground



Product Pictures:

