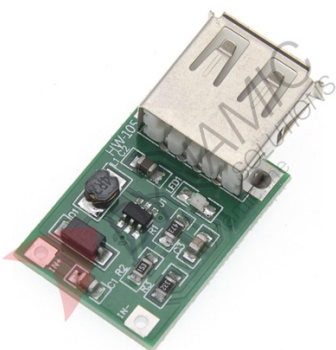


DC-DC Boost Converter 0.9V-5V to 5V 600MA

USB Output



Features:

This DC-DC Boost Converter module provides a regulated 5V USB output from low input voltages ranging from 0.9V to 5V. With up to 96% efficiency, it is capable of delivering up to 600mA when powered by two AA batteries, or 200–300mA from a single AA battery. The module integrates a USB-A female connector for easy power access and is suitable for portable electronics, energy harvesting, and custom battery-powered devices.

Specifications	
Input Voltage Range	0.9V – 5V DC
Output Voltage	5V DC (regulated)
Output Current (1x AA)	200–300mA
Output Current (2x AA)	500–600mA
Conversion Efficiency	Up to 96%
Output Connector	USB-A Female
PCB Dimensions	34mm × 16.2mm
Operating Temperature	-40°C to +85°C
Applications	DIY power banks, USB gadgets, portable electronics, energy harvesting

Pinouts:

Pin Name	Type	Description
IN+	Power	Positive input voltage (0.9V – 5V DC)
IN-	Power	Negative input voltage (Ground)
USB VBUS	Output	+5V regulated output via USB port
USB GND	Output	Ground via USB port



Product Pictures:

