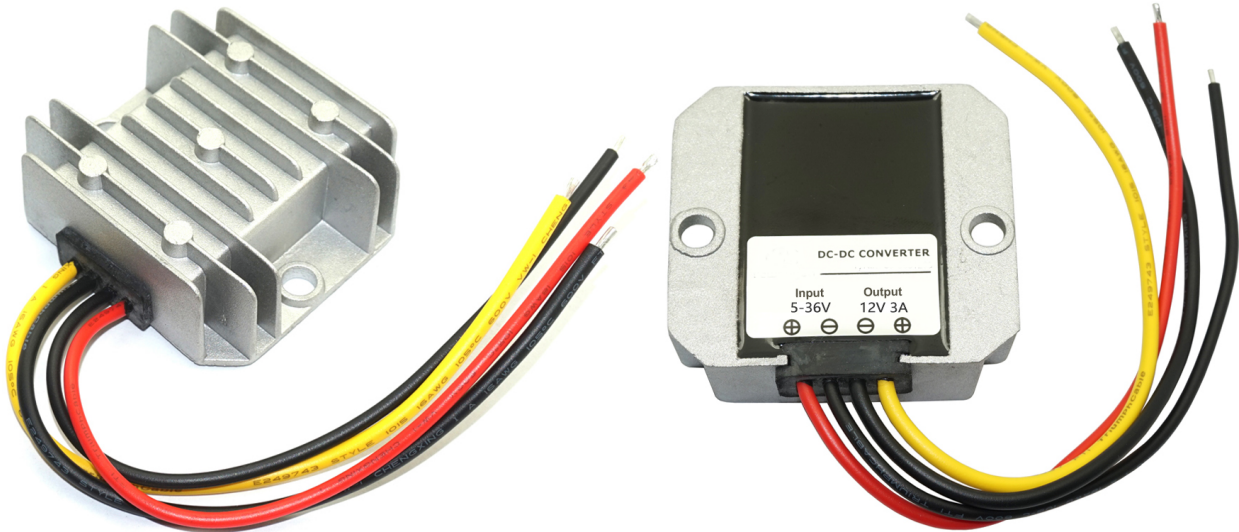


## DC-DC Boost-Buck Converter Specification

Model: WG5-36S1203

Input Voltage	Output Voltage	Output Current	Output Power	Converter Efficiency	Size
5-36V DC	12V DC	3 Amps	36 Watts	90%	57*64*22mm



### Product Features

- Designed according to RoHS / CE standards
- High conversion efficiency: 90% (@ 12V input)
- Isolation between inputs and outputs
- Capacitors used internally: NCC and NICHICON (high reliability)
- 100% full load aging test
- Built-in protection against over-current, over-voltage and over-temperature.
- Waterproof rating IP68

### Product Applications

- Auto
- Ship
- Lights
- Industrial Equipment
- Power System
- Communication System
- Instrumentation
- Solar (wind) Systems, etc.

## Specification

Model	PH-WG5-36S1203		
Input	Rated Voltage	V	12
	Working Voltage Range	V	5-36V
	Efficiency	%	90% @ 24V input test
	Positive Cable (Red)	AWG	18@16.5CM
	Negative Cable (Black)	AWG	18@16.5CM
Output	Voltage	V	12
	Maximum Rated Current	A	3
	Maximum Power Rating	W	36
	Voltage Adjustment Ratio	%	±1
	Load Adjustment Ratio	%	2
	No-load Loss	mA	28 @ 24V input test
	Ripple & Noise	mV	64 (full load test)
	Positive Cable (Yellow)	AWG	18@16.5CM
	Negative Cable (Black)	AWG	18@16.5CM
Working Environment	Working Temperature	°C	-40 ~ +80
	Working Humidity	RH	10% ~ 90%
	Storage Temperature	°C	-40°C ~ +100°C
Protection Function	Short Circuit Protection		Yes
	Overcurrent Protection	A	Yes
	Waterproofing		IP68
	Over Temperature Protection		Yes
	Low Voltage Protection		Yes
Physical Datas	Weight	g	120
	Dimension	mm	57*64*22
Others	Heat Dissipation Method		Free air convection
	Package		White box

## Dimension

