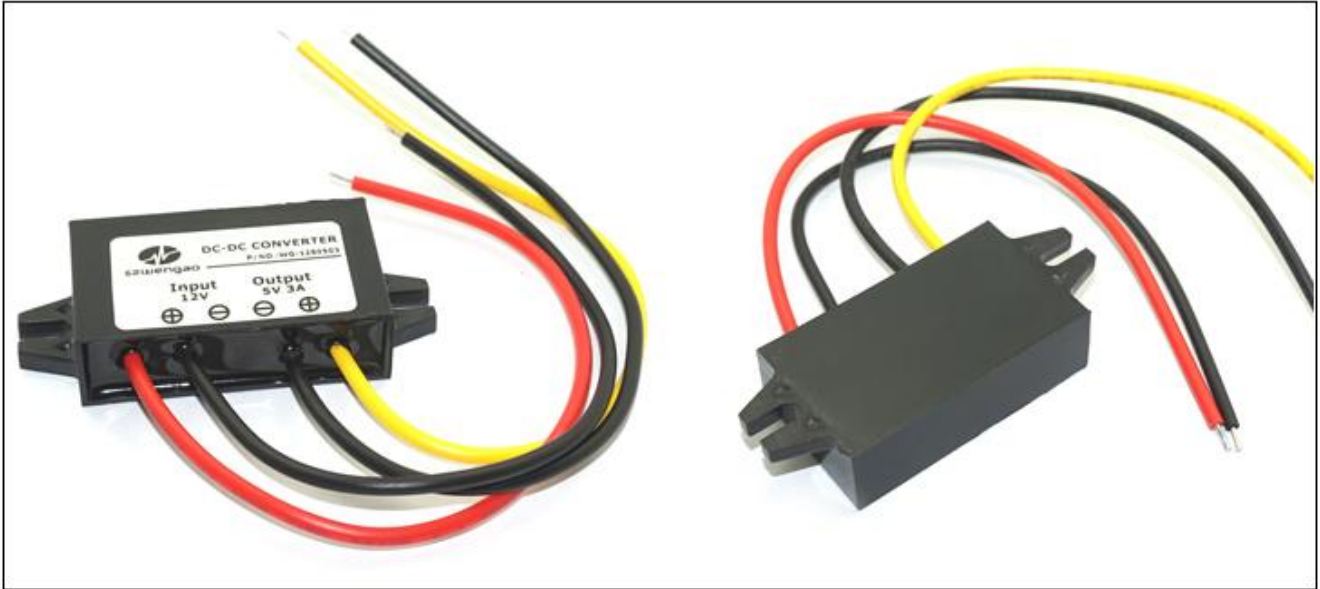




Input voltage	Output voltage	Output current	Output power	Efficiency	Size
6-20V DC	5V DC	3 Amps	15 Watts	89%	41*27*14mm



Features

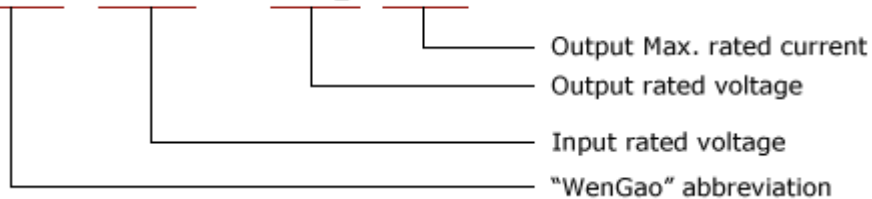
- Design meeting RoHS / CE
- High efficiency: 89% (@ 12V input)
- Non-isolated between input and output
- Internal capacitor: NCC (high reliability)
- 100% full load burn-in test
- Short circuit, Over load, Over temperature protections
- Waterproof level IP68
- 1 Year warranty

Applications

- Trucks
- Forklifts
- Buses
- Logging Vehicles
- Electromotor
- Telecommunications
- Boat & Yacht
- LED Marketplaces and so on..

Model naming method

WG-12S0503





Specifications

Model	WG-12S0503		
Input	Rated voltage	V	12
	Voltage range	V	6-20
	Efficiency (type)	%	89% @ 12V input
	Positive cable (red)	AWG	20 @ 16.5cm length
	Negative cable (black)	AWG	20 @ 16.5cm length
Output	Voltage	V	5
	Max. rated current	A	3
	Max. rated power	W	15
	Voltage regulation	%	±1
	Load regulation	%	2
	No load loss	W	0.15
	Ripple & noise	mV	30
	Positive cable (yellow)	AWG	20 @ 16.5cm length
	Negative cable (black)	AWG	20 @ 16.5cm length
Environment	Working temperature	°c	-35 ~ +80
	Working humidity	RH	10% ~ 90%
	Storage temperature	°c	-40 ~ +85
Function	Short circuit protection		YES
	Over load protection		YES
	Waterproof		IP68
	Over temperature protection		YES
	Over voltage protection		YES
Mechanical	Weight	g	35
	Size	mm	41*27*14
Other	Cooling		Free air convection
	Packaging		Anti-static bag

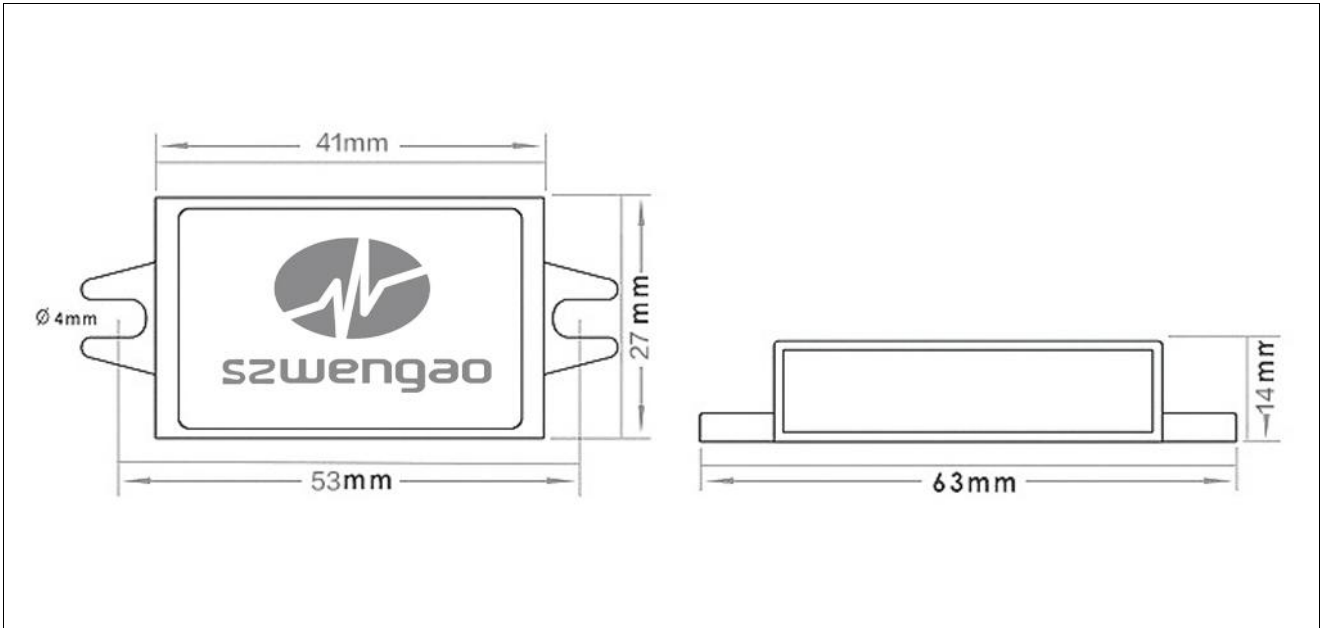


szwengao

DC-DC Converter Specification

Model No.:WG-12S0503

 **Dimension**



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