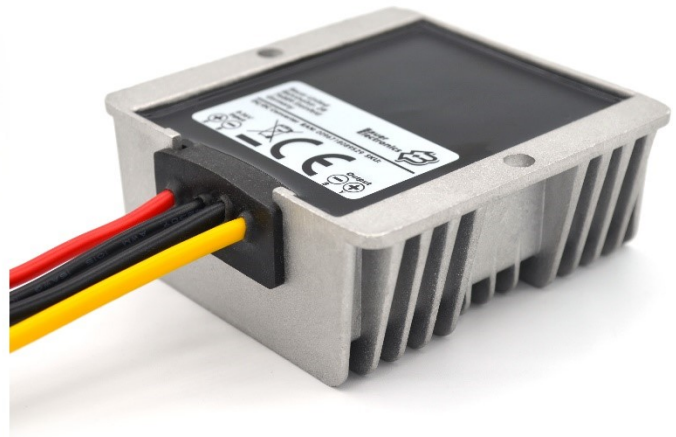
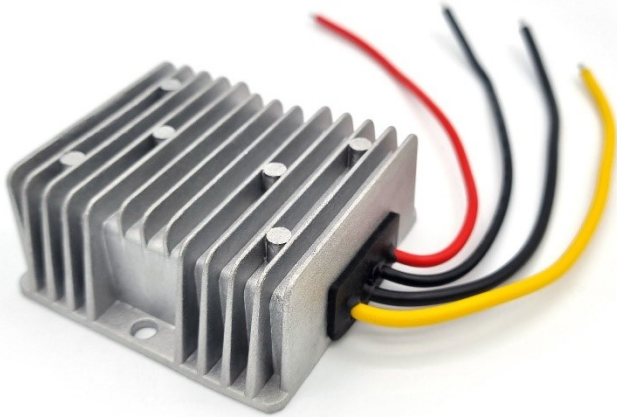


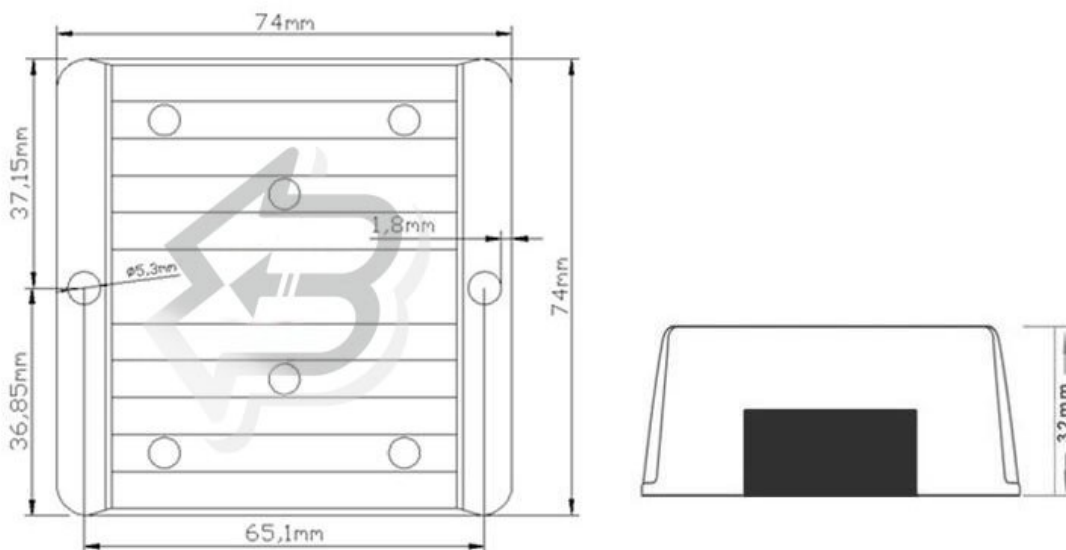
Input voltage	Output voltage	Output current	Output power	Efficiency	Size
18-36 VDC	12 VDC	20 Ampere	240 Watt	96%	74 x 74 x 32mm



Application areas:

- Industrial equipment
- Logistics equipment
- Motor vehicle
- Two-wheeler
- Photovoltaic
- Monitoring systems
- Electric motors
- Telecommunications
- Lighting systems
- Charging stations
- Mobile equipment
- Agricultural machinery
- Camping
- Watercraft
- Construction machinery

Drawing:



Specifications:

Model	SPW-24V1220 (02-02-03)		
Input	Rated voltage	V	24
	Voltage range	V	18-36
	Efficiency (type)	%	96% @ 24V in
	Positive line (red)	AWG	16 @ 16,5 cm
	Negative line (black)	AWG	16 @ 16,5 cm
Output	Voltage	V	12
	Max. rated current	A	20
	Max. rated power	W	240
	Voltage regulation	%	± 1
	Load control	%	± 1
	no-load current	mA	38 (24V in)
	Residual ripple	mV	150
	Positive line (yellow)	AWG	16 @ 16,5 cm
	Negative line (black)	AWG	16 @ 16,5 cm
Environment	Working temperature	°C	-40 ~ +80
	Humidity	RH	10% ~ 90%
	Storage temperature	°C	-55 ~ +80
Function	Waterproofness	IP	68
	Galvanically separated		NO
	Short-circuit protection		YES
	Overload protection		YES
	Reverse polarity protection		NO
	Overheating protection		YES
	Surge protection		YES
Mechanical data	Weight	g	270
	Size	mm	74 x 74 x 32
Other	Cooling		Air
	Packaging		Carton
	Operating instructions		DE,EN,FR,PL,NL,IT,ES,SE,TR
	Manufacturing		ISO 9001:2015
	CE conformity		EMC 2014/30/EU, RoHS 2011/65/EU