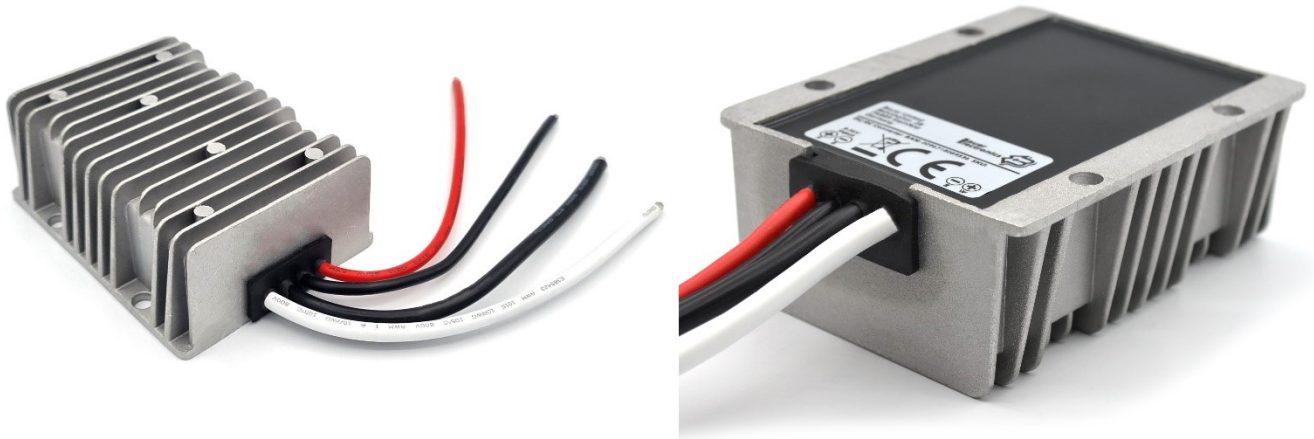


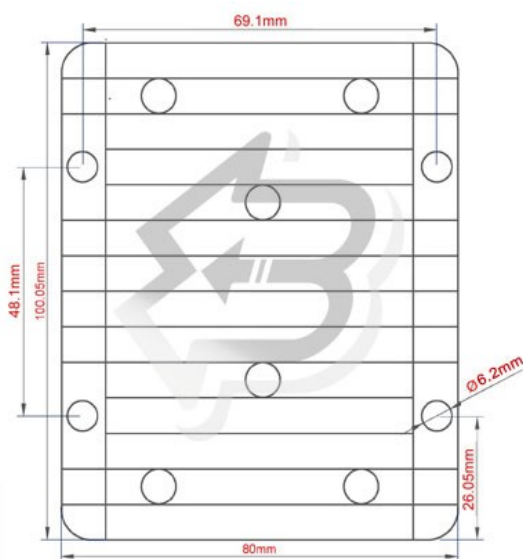
Input voltage	Output voltage	Output current	Output power	Efficiency	Size
10-22 VDC	24 VDC	20 Ampere	480 Watt	95%	100 x 80 x 39mm



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-12V2420 (02-03-03)		
Input	Rated voltage	V	12
	Voltage range	V	10-22
	Efficiency (type)	%	95% @ 12V in
	Positive line (red)	AWG	10 @ 15 cm
	Negative line (black)	AWG	10 @ 15 cm
Output	Voltage	V	24
	Max. rated current	A	20
	Max. rated power	W	480
	Voltage regulation	%	± 1
	Load control	%	± 0,2
	no-load current	mA	35 (12V in)
	Residual ripple	mV	150
	Positive line (white)	AWG	14 @ 15 cm
	Negative line (black)	AWG	14 @ 15 cm
Environment	Working temperature	°C	-55 ~ +100
	Humidity	RH	20% ~ 100%
	Storage temperature	°C	-65 ~ +125
Function	Waterproofness	IP	68
	Galvanically separated		NO
	Short-circuit protection		NO
	Overload protection		YES
	Reverse polarity protection		NO
	Overheating protection		YES
	Surge protection		YES
Mechanical data	Weight	g	500
	Size	mm	100 x 80 x 39
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