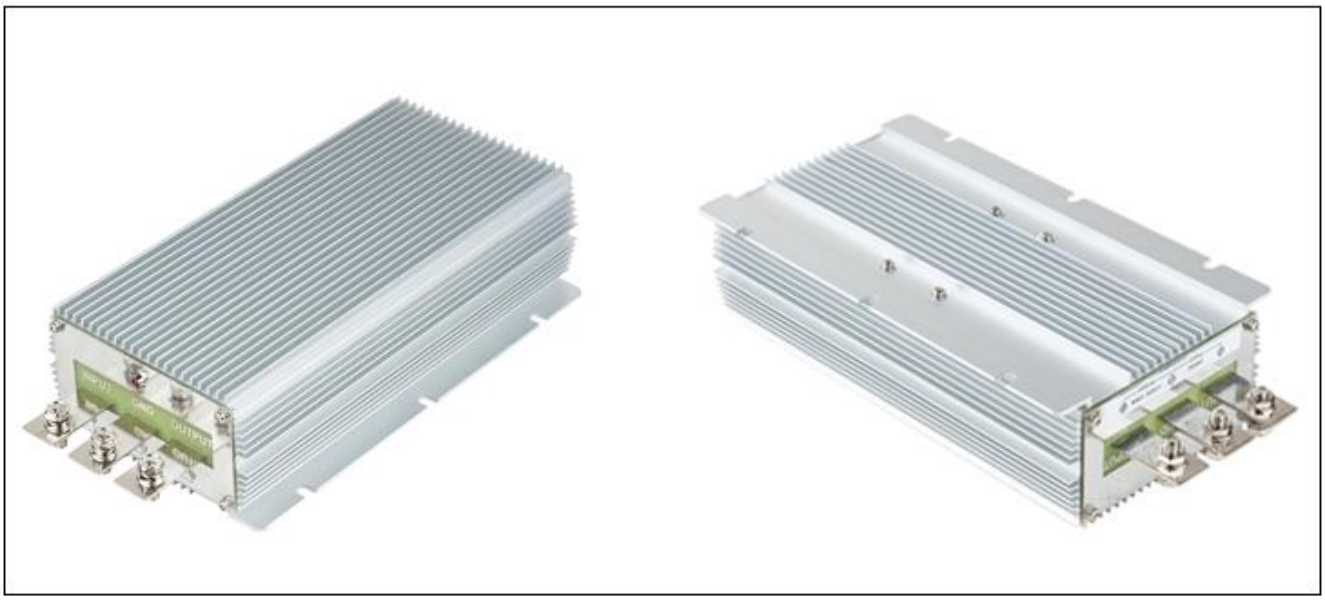
Smun
XIMENG ELECTRIC

DC-DC Converter Specification

Model No.:SDS-24S4842

Input voltage	Output voltage	Output current	Output power	Efficiency	Size
20-30V DC	48V DC	42 Amps	2000 Watts	96%	220*127*63mm



Features

- Design meeting RoHS / CE
- High efficiency: 96% (@ 24V input)
- Non-isolated between input and output
- Internal capacitor: NCC & NICHICON (high reliability)
- 100% full load burn-in test
- Over load, Over temperature and Over voltage 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

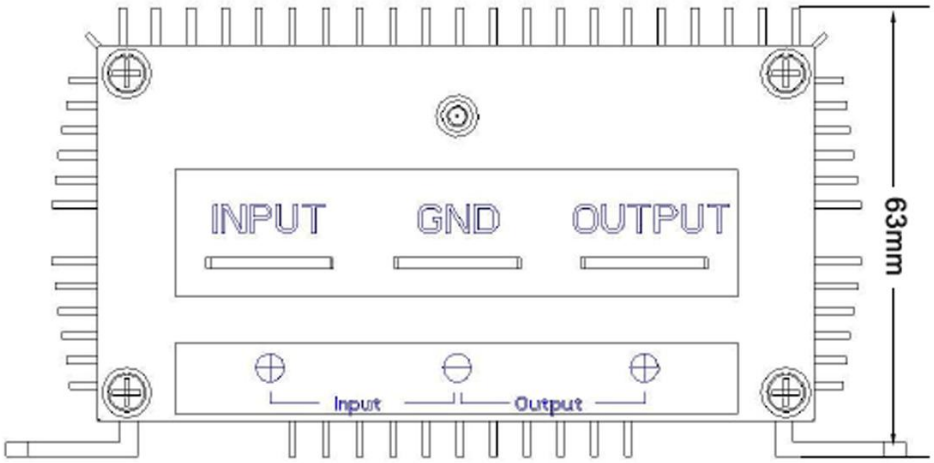
SDS-24S4842

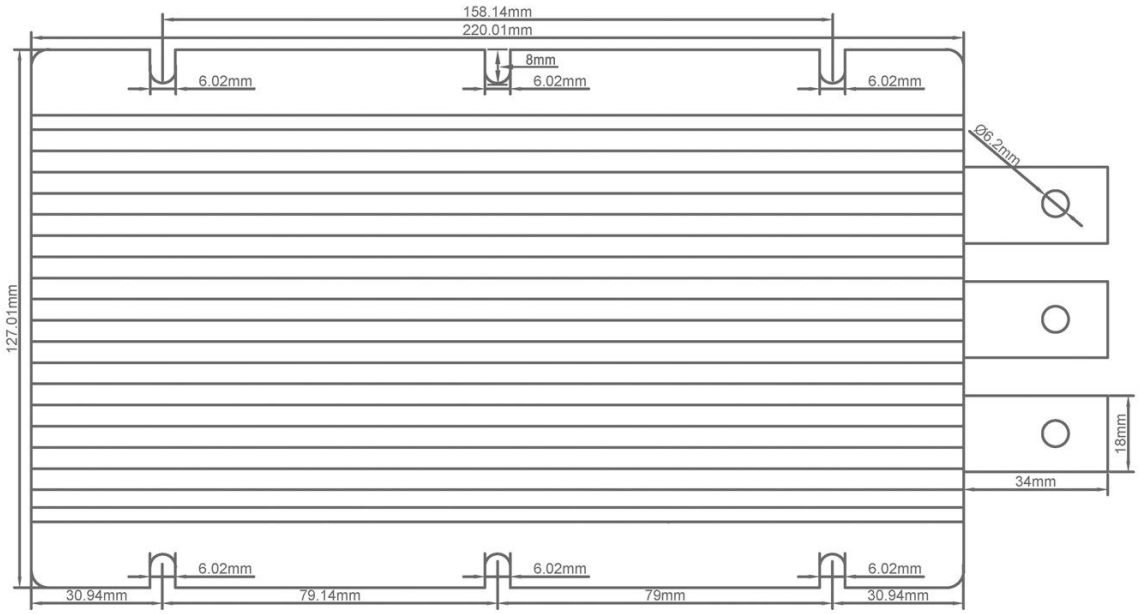
SDS : Step up type
24 : Input rated voltage
S : Single output type
48 : Output voltage
42 : Output current

Specifications

Model	**SDS-24S4842**		
Input	Rated voltage	V	24
	Voltage range	V	20-30
	Efficiency (type)	%	96 @ 24Vin
Output	Voltage	V	48
	Max. rated current	A	42
	Max. rated power	W	2000
	Voltage regulation	%	±1
	Load regulation	%	2
	No load loss	mA	60 @ 24Vin
	Ripple & noise	mVp-p	300 (full load)
Environment	Working temperature	°c	-40 ~ +80
	Working humidity	RH	10% ~ 90%
	Storage temperature	°c	-40 ~ +100
Function	Short circuit protection		NO
	Over current protection		YES
	Waterproof		IP68
	Over temperature protection		YES
	Over voltage protection		YES
Mechanical	Weight	g	2350
	Size	mm	220*127*63
Other	Cooling		Free air convection
	Packaging		Brown box

Dimension





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