Smun
XIMENG ELECTRIC

DC-DC Converter Specification

Model No.:SDS-24S4820

Input voltage	Output voltage	Output current	Output power	Efficiency	Size
20-35V DC	48V DC	20 Amps	960 Watts	97%	150*127*63mm



Features

- Design meeting RoHS / CE
- High efficiency: 97% (@ 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-24S4808

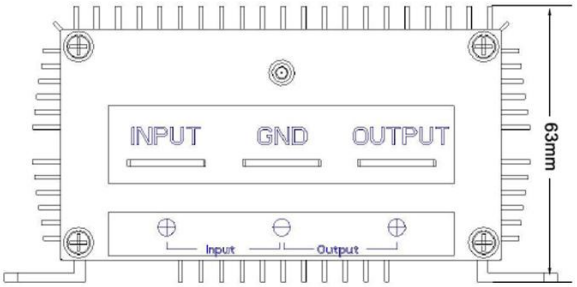
SDS : Step up type
24 : Input rated voltage
S : Single output type
48 : Output voltage
20 : Output current

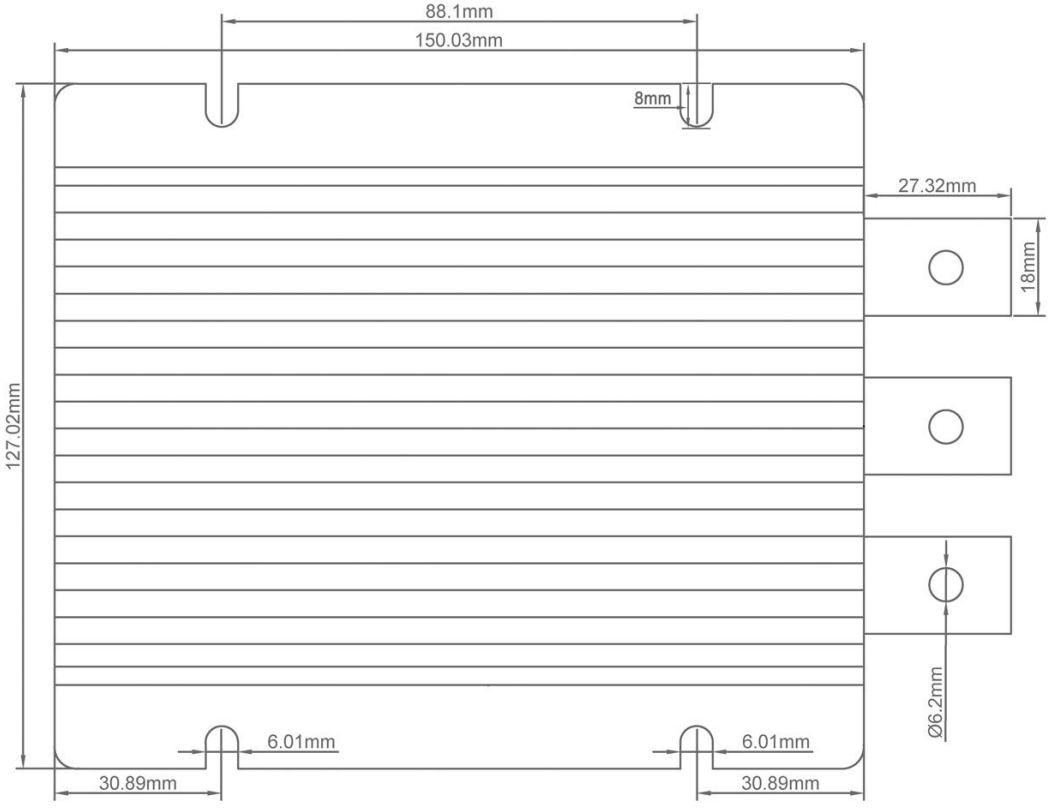
Specifications

Model	**SDS-24S4820**		
Input	Rated voltage	V	24
	Voltage range	V	20-35
	Efficiency (type)	%	97 @ 24Vin
Output	Voltage	V	48
	Max. rated current	A	20
	Max. rated power	W	960
	Voltage regulation	%	±1
	Load regulation	%	2
	No load loss	mA	60
	Ripple & noise	mVp-p	280
Environment	Working temperature	°c	-40 ~ +80
	Working humidity	RH	10% ~ 90%
	Storage temperature	°c	-40 ~ +100
Function	Short circuit protection		NO
	Over current protection	A	YES
	Waterproof		IP68
	Over temperature protection		YES
	Over voltage protection		YES
Mechanical	Weight	g	1500
	Size	mm	150*127*63
Other	Cooling		Free air convection
	Packaging		Brown box

Dimension




INPUT
GND
OUTPUT
63mm
Input
Output


88.1mm
150.03mm
8mm
27.32mm
18mm
127.02mm
Ø6.2mm
6.01mm
6.01mm
30.89mm
30.89mm