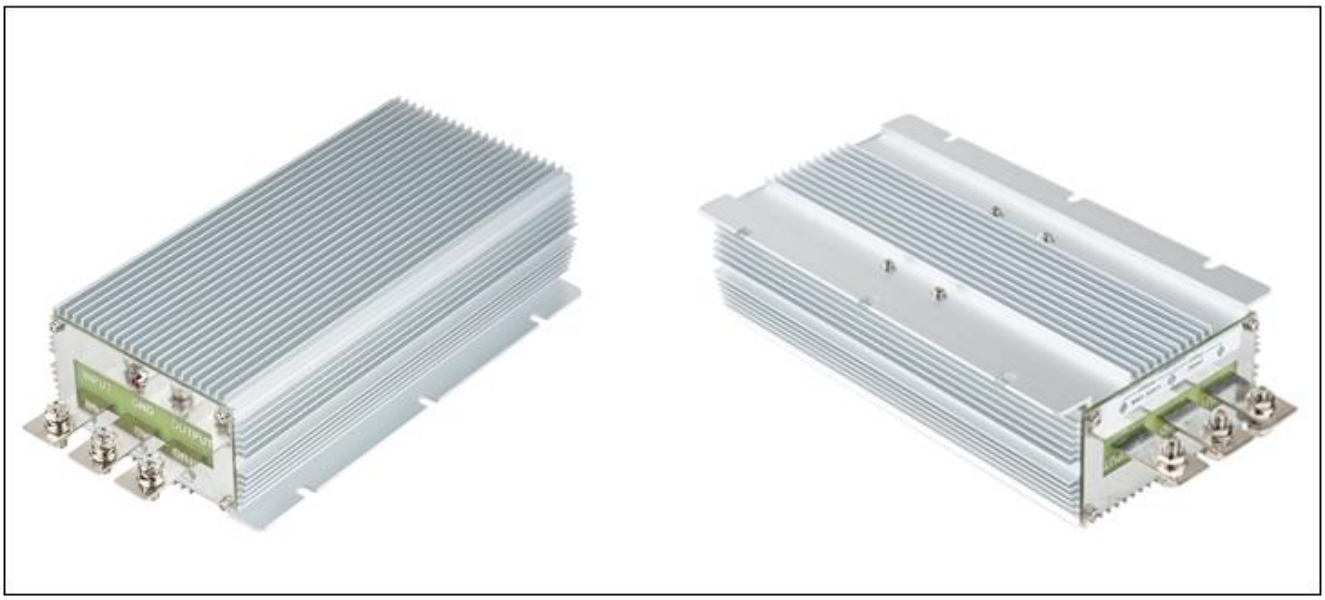
Smun
XIMENG ELECTRIC

DC-DC Converter Specification

Model No.:SDS-12S2840

Input voltage	Output voltage	Output current	Output power	Efficiency	Size
10-16V DC	28V DC	40 Amps	1120 Watts	95%	220*127*63mm



Features

- Design meeting RoHS / CE
- High efficiency: 95% (@ 12V 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

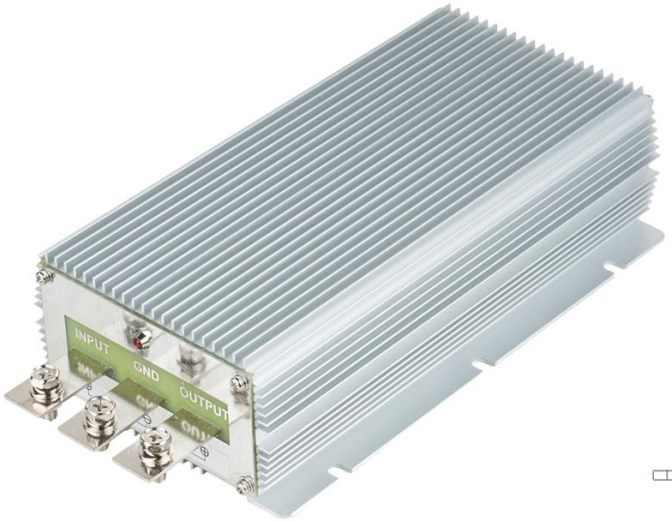
SDS-12S2840

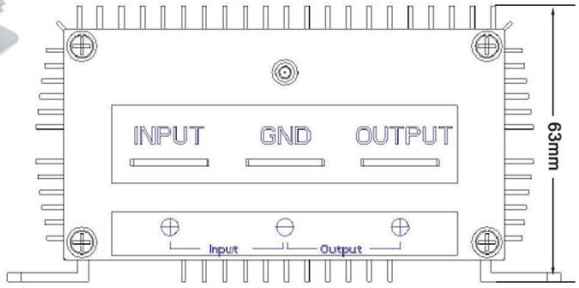
SDS : Step up type
12 : Input rated voltage
S : Single output type
28 : Output voltage
40 : Output current

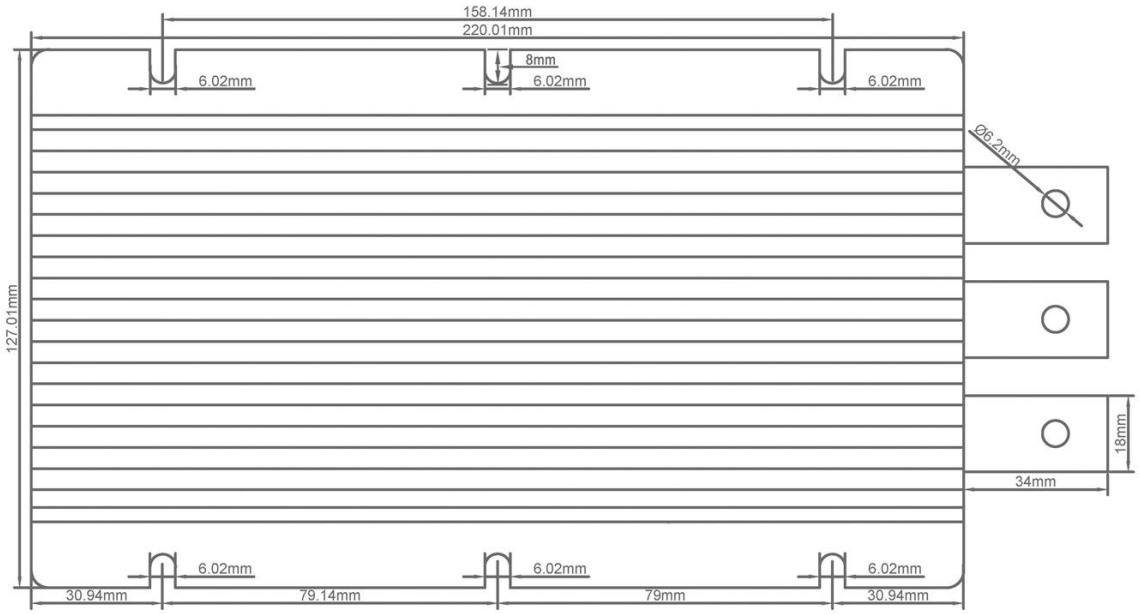
Specifications

Model	**SDS-12S2840**		
Input	Rated voltage	V	12
	Voltage range	V	10-16
	Efficiency (type)	%	95 @ 12V input
Output	Voltage	V	28
	Max. rated current	A	40
	Max. rated power	W	1120
	Voltage regulation	%	±1
	Load regulation	%	2
	No load loss	mA	70 @ 12V input
	Ripple & noise	mVp-p	240 (full load)
Environment	Working temperature	°c	-30 ~ +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


INPUT
GND
OUTPUT


INPUT
GND
OUTPUT
63mm
Input
Output


158.14mm
220.01mm
8mm
6.02mm
6.02mm
6.02mm
Ø6.2mm
127.01mm
18mm
34mm
6.02mm
6.02mm
6.02mm
30.94mm
79.14mm
79mm
30.94mm