Smun
XIMENG ELECTRIC

DC-DC Converter Specification

Model No.:SDS-12S2830

Input voltage	Output voltage	Output current	Output power	Efficiency	Size
10-16V DC	28V DC	30 Amps	840 Watts	96%	150*127*63mm



Features

- Design meeting RoHS / CE
- High efficiency: 96% (@ 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-12S2830

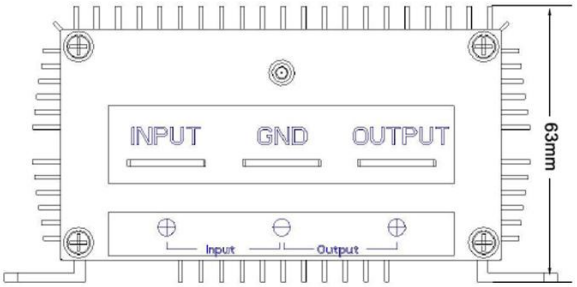
SDS : Step up type
12 : Input rated voltage
S : Single output type
28: Output voltage
30 : Output current

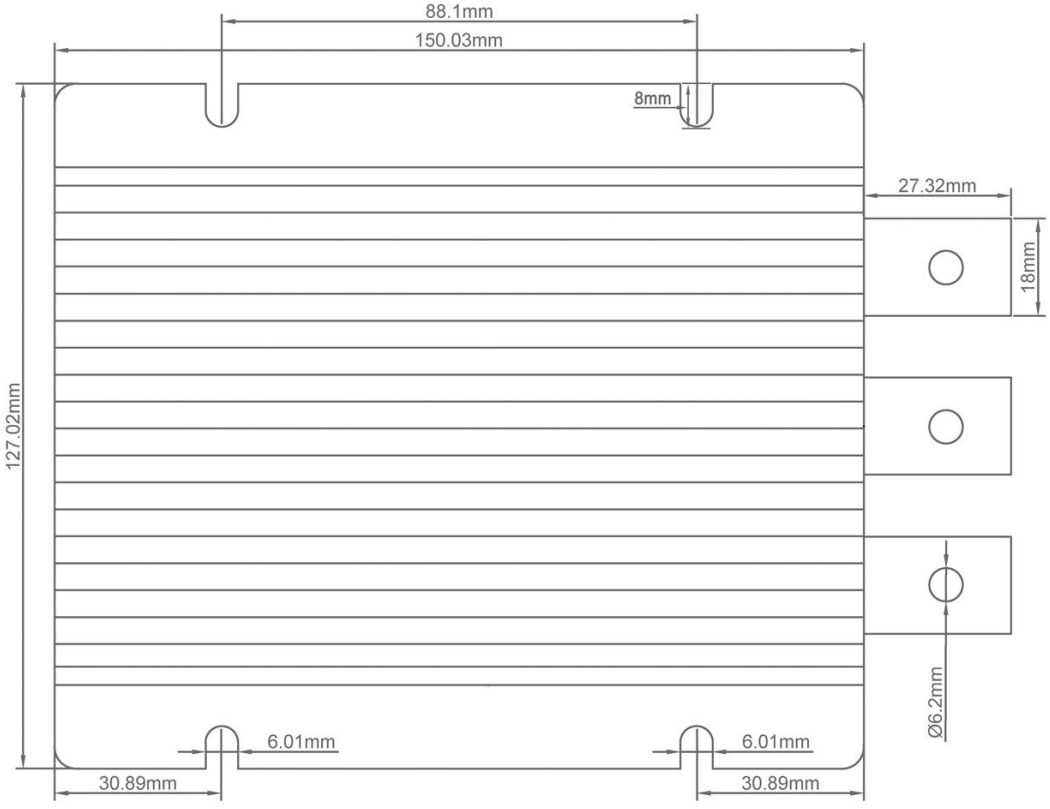
Specifications

Model	**SDS-12S2830**		
Input	Rated voltage	V	12
	Voltage range	V	10-16
	Efficiency (type)	%	96 @ 12Vin
Output	Voltage	V	28
	Max. rated current	A	30
	Max. rated power	W	840
	Voltage regulation	%	±1
	Load regulation	%	2
	No load loss	mA	60 @ 12Vin
	Ripple & noise	mV	200 (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	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