

Non-isolated DC-DC Converter

Compact Size, Full-load Efficiency > 90%

Die Cast Housing & Epoxy Resin Sealing, Waterproof

Low Cost & Long Life Circuit Design

Customize Solution Available

CLL is a low cost series designed for common usage in low voltage range (3~56VDC). It is a cost effective solution for pumps, LED lights, small motor etc.

Small case (66x59x24 mm)

Big case (74x72x28 mm)

Customize solution available with CLL Series:
input and output voltage between 5VDC ~ 56VDC
Output power < 200W



Small Case



Big Case

RoHS

CE

Input Characteristic

Default Input Voltage Range* :

Step-up Converter:

12V = 10~15VDC

24V = 20~30VDC

Step-down Converter:

12V = 10~30VDC

24V = 18~36VDC

36V = 30~44VDC

48V = 40~56VDC

Input Reverse Protection: NOT implemented by default

Output Characteristic

Full-load Efficiency: 90~94%***
Ripple p-p: 1% of output voltage (MAX)
Load Regulation: 1.5%
Max Non-load Consumption: 0.5% of full-load power
Over-load Protection: +10% of rated output current
Short-circuit Protection: yes

Other info

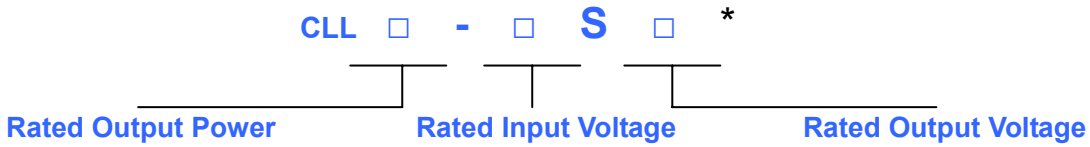
Allowed Case Temperature: -10°C ~ 75°C
Storage Temperature: -20°C ~ 80°C
Storage Humidity: 20~90%
Weight:
Small Case: 170~190g
Big Case: 240~280g

* Input range can be customized, the range listed is for standard types. Input range is not always the same for different models

** Can implement in customize products

*** Not every model can achieve 94% efficiency.

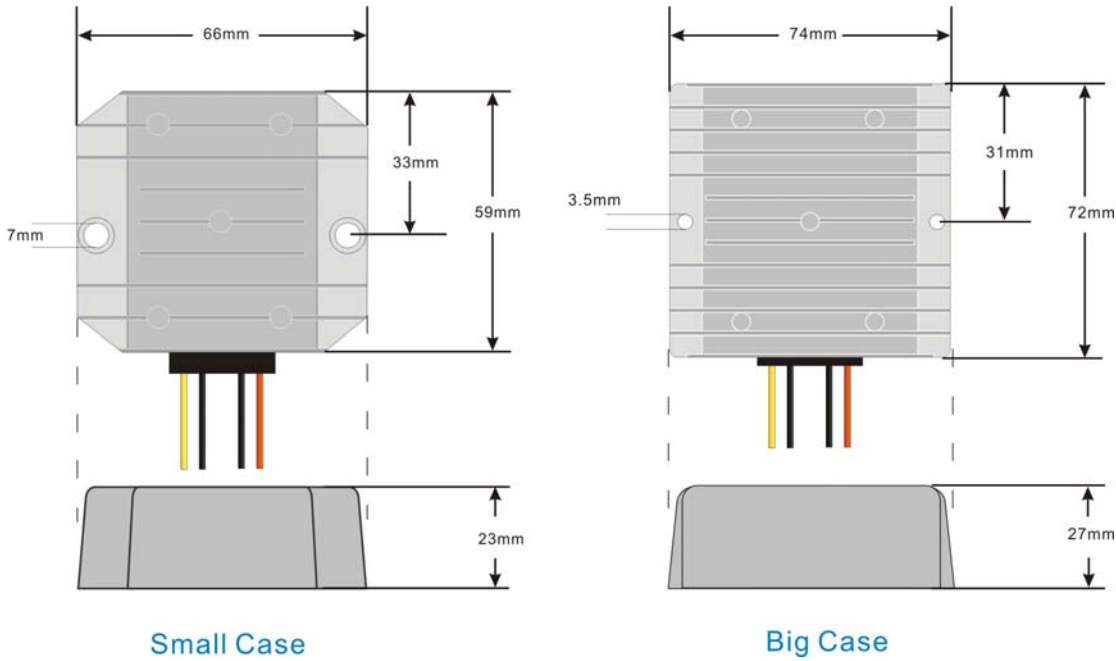
Ordering Information:



Example:

Input: 12V (10~15VDC)	Output: 24V	Output Power: 8A (200W)	CLL200-12S24
Output: 12V (10~30VDC)	Output: 5V	Output Power: 10A (50W)	CLL50-12S05

Dimensions:



NOTE: The size may change slightly (a few mm). If you need exactly the same size, please contact before ordering.