# **CLL Series Mid Power DC-DC Converter**

Datasheet Ver1.5

RoHS

Non-isolated DC-DC Converter Compact Size, Full-load Efficiency > 90% Die Cast Housing & Epoxy Resin Sealing, IP67 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, motor etc.

A Size: 100 \* 127 \*63 mm B Size: 150 \* 127 \*63 C Size: 220 \* 127 \*63 mm D Size: 300 \* 127 \*63 mm

Currer

Curstomize solution available with CLL Series: input and output voltage between 5VDC ~ 72VDC Output power < 3kW

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 Full-load Efficiency:90-94%Ripple p-p:2% of output voltage (MAX)Load Regulation:1.5%Max Non-load Consumption:0.5% of full-load powerOver-load Protection:+10% of rated output currentShort-circuit Protection:yes

**Output Characteristic** 

48V = 40~56VDCAllowed Case Temperature:-10°C~ 95°CStorage Temperature:-20°C~ 80°CInput Reverse Protection: NOT implemented by defaultStorage Humidity:20~90%

\* 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

## **CLL Series Mid Power DC-DC Converter**

# Ordering Information:

Logic



## Example:

Current

Input: 12V (10~15)	VDC) Output: 24V	Output Power: 40A	(960W)	CLL960-12S24
Output: 12V (10~30	VDC) Output: 5V	Output Power: 50A	(250W)	CLL250-12S05

#### Dimensions (Unit: mm):

