

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: 180 * 127 *63

C Size: 220 * 127 *63 mm

D Size: 300 * 127 *63 mm



Customize solution available with CLL Series:
 input and output voltage between 5VDC ~ 72VDC
 Output power < 2kW

Input Characteristic	Output Characteristic
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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

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

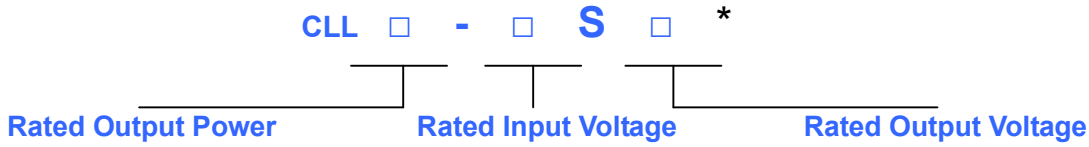
Other info	
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Allowed Case Temperature:	-10°C ~ 95°C
Storage Temperature:	-20°C ~ 80°C
Storage Humidity:	20~90%

* 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

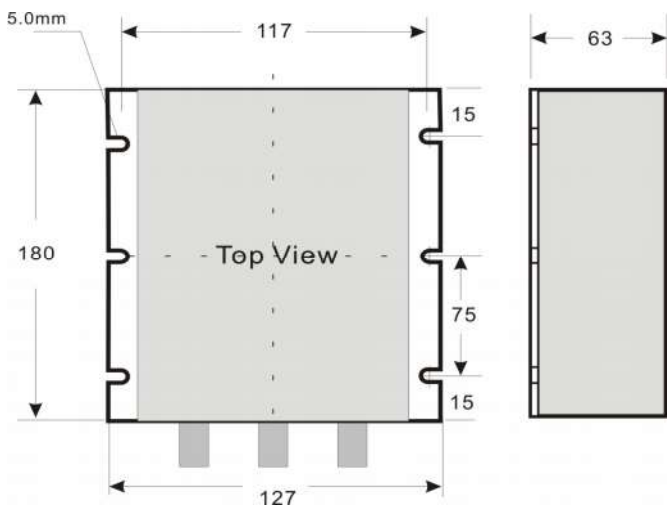
Ordering Information:



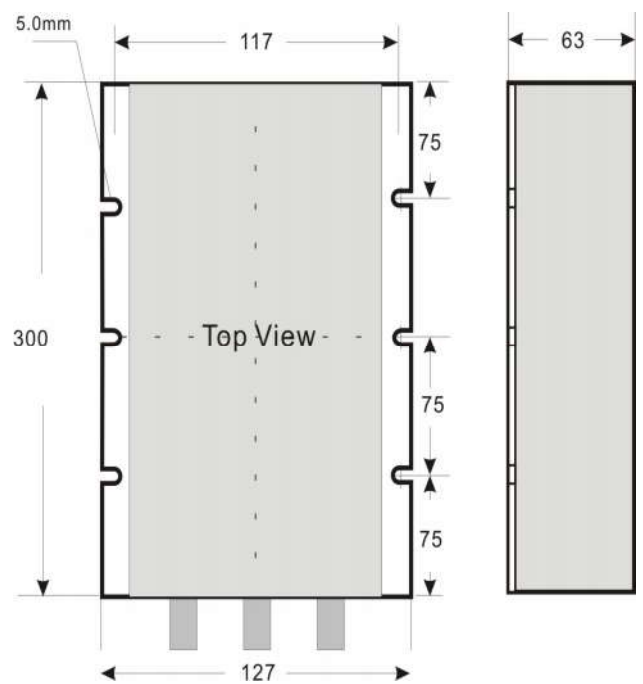
Example:

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

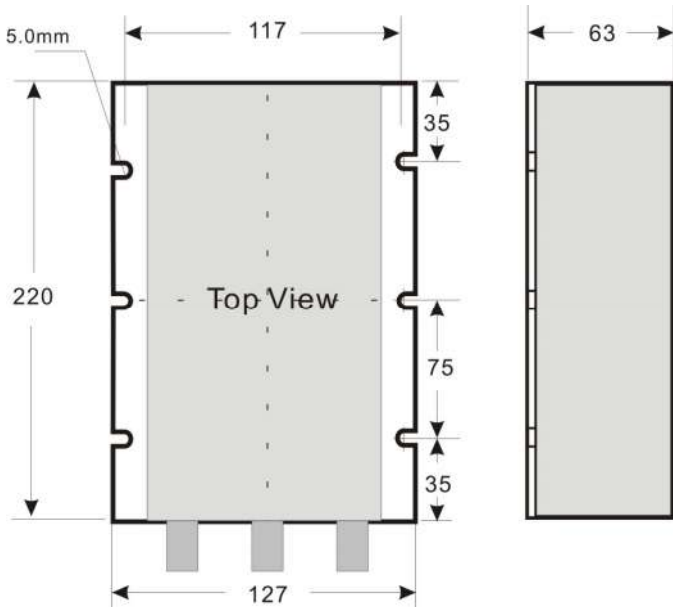
Dimensions (Unit: mm):



B Size: 300-800W *



D Size: 1000-2000W *



C Size: 500-1200W *

* Input and output voltage and power together determine the size.
 Rated power is not the only factor.