

Typical Efficiency 94%

Wide input voltage 300 – 420V

Dimension 180 x 110 x 45 mm

Less than 1.2Kg

Meet EN60950, RoHS 5/6

Order online: [Link to order a sample](#)



RoHS

CE

Input Characteristic

Default Input Voltage Range
400V 300 - 420VDC

Input Reverse Protection: No
Input Under Voltage Protection:
Trigger: 280-295 VDC

Input Over Voltage Protection:
Trigger: 428-440VDC (Shut down)
> 440VDC will damage this converter permanently

No-load Input Current: ≤ 0.08 A (400 VDC input)

Output Characteristic

Short Circuit protection:
Trigger: 62-70A

Output Over Voltage protection:
Trigger: 55-58 VDC

Recover: disconnect the input for 3 minute, then reconnect input

Capacitive Load: 5000 μ F (pure mode)

Output Characteristic

Typical Efficiency: 94%
Ripple p-p: ≤ 800 mV
Output Voltage: 50 VDC ± 0.3 VDC
Output Current: 0 - 60 A
Start Time Delay: ≤ 3 S
Temperature co-efficiency $\pm 0.02\%/^{\circ}\text{C}$

Other info

Operating temperature: $-25^{\circ}\text{C} \sim +80^{\circ}\text{C}$

Max Allowed Case Temperature: 100 $^{\circ}\text{C}$

Insulation:
Input-Output Input-Case Output-Case: 100M Ohm @500V

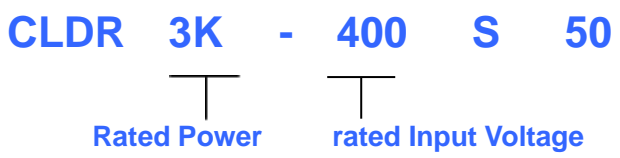
Noise: ≤ 55 dB (full load)
ESD: Level3 Direct ± 6 KV; Air ± 8 KV
Surge: Differential 2KV; Common 4KV

Storage Temperature:
Industrial $-55^{\circ}\text{C} \sim +95^{\circ}\text{C}$
Storage Humidity: 10-95%

Isolation Voltage:
Input - Output 4000 VDC ≤ 10 mA/1min *
Input - Case 2000VDC ≤ 10 mA/1min
Output - Case 1050VDC ≤ 10 mA/1min

MTBF: 100000Hrs
Case Material: Metal

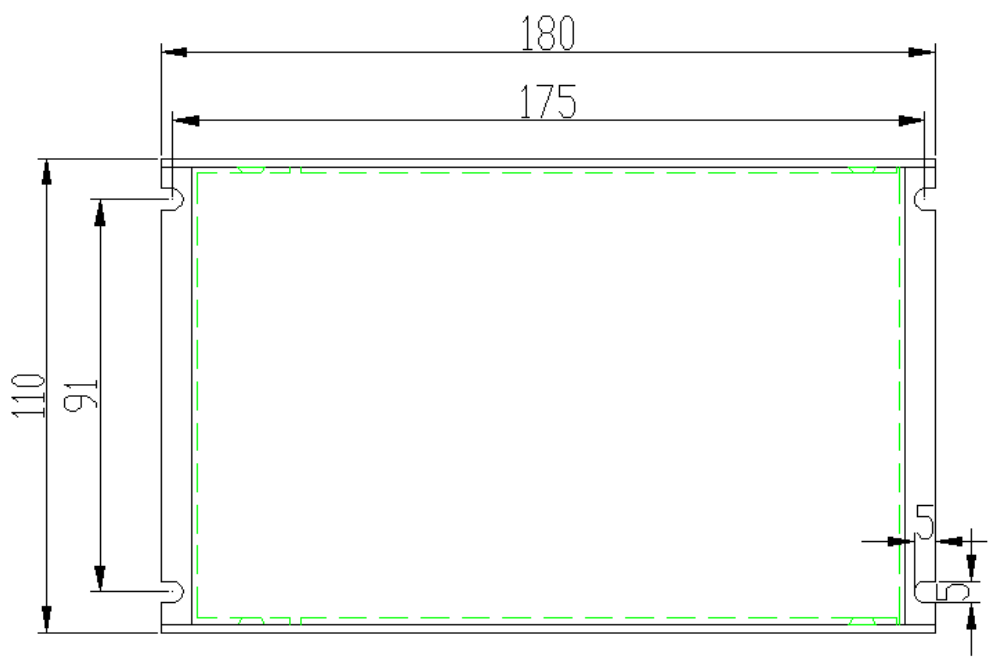
Naming Method:



Example:

Input	Output	Max Output Current / Power	Model
400V (300~420VDC)	50V	3000W	CLDR3K-400S50
400V (300~420VDC)	28V	3000W	CLDR3K-400S28

Dimensions:



L (180mm) *W (110mm) *H (45mm)
 Weight ~1.2 kg