

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°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:

CLDR 3K - 400 S 50

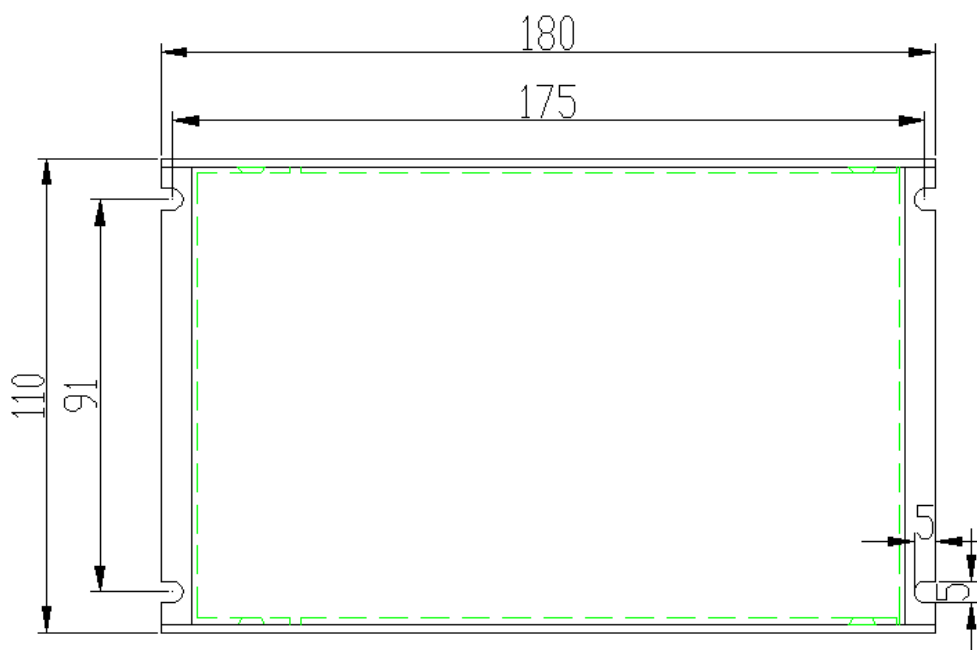
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Rated Power
rated Input Voltage

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