

500-750W

CNZ Series

DC/DC

Features

- With current-sharing terminals
- High output current and power
- Completely isolate between input & output
- High efficiency
- Design for high reliability, long lifetime
- Natural cooling, heat sink attachable
- Fast dynamic response
- Wide range of power, easy to upgrade



Input Characteristic

Voltage Range	24 VDC	18-36 VDC
	48 VDC	36-72 VDC

Reverse Protection Connect Fuse Outside

Output Characteristic

Voltage Set-point Accuracy	$\pm 1\%$
Output Voltage Range	$\pm 10\%$
Line Regulation	$\pm 0.2\%$
Load Regulation	$\pm 0.4\%$
Temperature Coefficient	$\pm 0.01\%/^{\circ}\text{C}$
Output Current Limiting	120%(Typ)
Dynamic Response	400 μs
Output Current	20-40A 任选
Output Voltage	1.8-48V
Power	500-750W

General Characteristic

Switching Frequency	160 - 200	KHz
Isolation Resistance	500	M Ω
MTBF	>200000	h
Isolation Voltage		
Input-Output	>1500	VDC
Input-Case	>1050	VDC
Output-Case	>500	VDC

Environmental Characteristics

Case Temperature	(Industry) -25 - +85 $^{\circ}\text{C}$ (Military I) -40 - +85 $^{\circ}\text{C}$ (Military II) -55 - +85 $^{\circ}\text{C}$
Storage Temperature	(Industry) -45 - +105 $^{\circ}\text{C}$ (Military) -55 - +105 $^{\circ}\text{C}$

Heat Characteristic

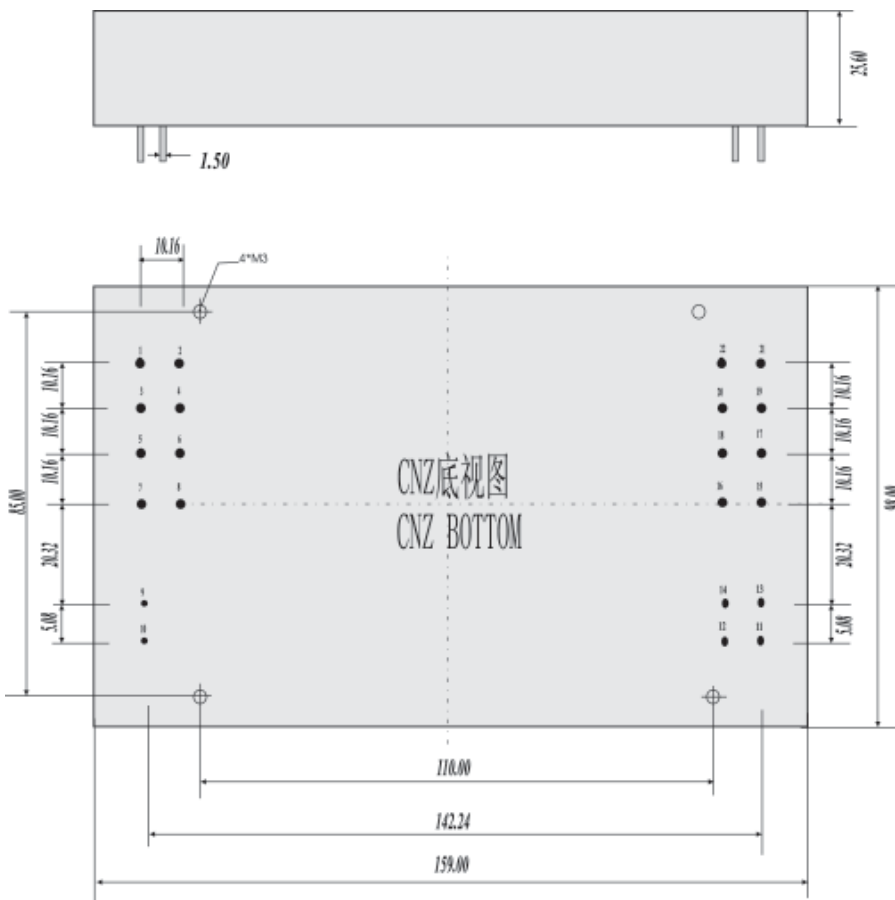
Cooling	Thermal Resistance
Breeze of Nature	1.60 $^{\circ}\text{C}/\text{W}$
0.5M/S	1.33 $^{\circ}\text{C}/\text{W}$
1M/S	0.99 $^{\circ}\text{C}/\text{W}$
1.5M/S	0.72 $^{\circ}\text{C}/\text{W}$
2M/S	0.60 $^{\circ}\text{C}/\text{W}$

Models

Input voltage (Vdc)	Input Range	Output voltage (Vdc)	Output current (A)	Ripple and noise pk-pk(mv)	Efficiency Typical	Models
24	18-36	12	41.67	120	85%	CNZ500-24S12
24	18-36	15	33.33	150	82%	CNZ500-24S15
24	18-36	13.8	36.23	120	83%	CNZ500-24S13.8
24	18-36	24	31.25	200	80%	CNZ750-24S24
48	36-72	12	41.67	120	85%	CNZ500-48S12
48	36-72	15	33.33	150	86%	CNZ500-48S15
48	36-72	13.8	36.23	120	85%	CNZ500-48S13.8
48	36-72	24	31.25	200	86%	CNZ750-48S24
48	36-72	48	15.6	400	85%	CNZ750-48S48

Only typical models listed. If you need other model, please contact us for costum models

Mechanical drawing and pin definition



单位 (Unit) :mm

引脚 PIN	单路 SING
1 2	-Vin
3 4	-Vin
5 6	+Vin
7 8	+Vin
9	REM
10	CASE
11	IBUS
12	TRIM
13	+SENSE
14	-SENSE
15 16	+Vo
17 18	+Vo
19 20	-Vo
21 22	-Vo