

150-300W

CNA Series

AC/DC

Features

- Wide range of input voltage
- Broadband noise filter of input
- Surge suppress circuit of input
- Comply with UL1950, IEC950 safety regulation
- Attractive outline design
- Terminal connection method
- Easy installation
- Fast dynamic response



Input Characteristic

Voltage Range 220 VAC 176-264 VAC

Reverse Protection Connect Fuse Outside

Output Characteristic

Voltage Set-point Accuracy $\pm 1\%$

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 4-20A

Output Voltage 1.8-48V

Power 150-300W

General Characteristic

Switching Frequency 160-200 KHz

Isolation Resistance 200 M Ω

MTBF >500000 h

Isolation Voltage

Input-Output >1500 VAC/1min(Leak <5mA)

Input-Case >1500 VAC/1min(Leak <5mA)

Output-Case >500 VDC/1min

Main-Vice >500 VDC/1min

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

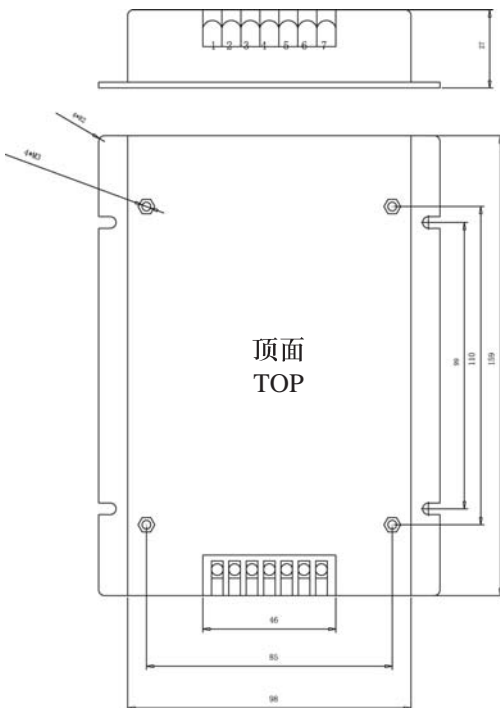
Cooling	Thermal Resistance
Breeze of Nature	2.20 $^{\circ}\text{C}/\text{W}$
0.5M/S	1.84 $^{\circ}\text{C}/\text{W}$
1M/S	1.37 $^{\circ}\text{C}/\text{W}$
1.5M/S	0.99 $^{\circ}\text{C}/\text{W}$
2M/S	0.83 $^{\circ}\text{C}/\text{W}$

Models

Input voltage (Vdc)	Input Range	Output voltage (Vdc)	Output current (A)	Ripple and noise pk-pk(mv)	Efficiency Typical	Models
220	176-264	5	20	50	81%	CNA100W220S05
220	176-264	12	10.4	120	83%	CNA125W220S12
220	176-264	24	6.25	200	84%	CNA150W220S24
220	176-264	5&12	4&2.5	50&120	82%	CNA50W220D05&12
220	176-264	5&15	5&3.3	50&150	84%	CNA75W220D05&15
220	176-264	12&24	6&3.25	120&200	86%	CNA150W220D12&24
220	176-264	± 12,+05	1.5/1.42/3	120&50	81%	CNA50W220T12+05
220	176-264	± 15,+12	± 1.73/4	150&120	84%	CNA100W220T15+12
220	176-264	± 12,+15	± 4/3.6	120&150	85%	CNA150W220T12+15

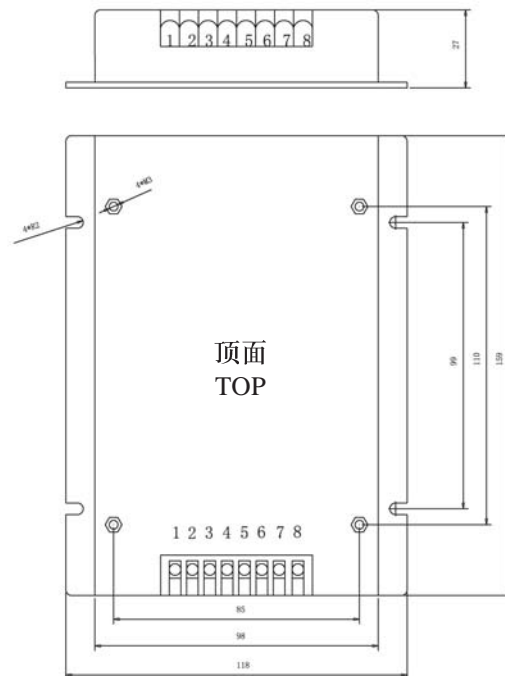
Only typical models listed. If you need other model, please contact us for costum models

Mechanical drawing and pin definition



单位(Unit): mm

引脚 PIN	定义 SING
1	-Vo
2	-Vo
3	+Vo
4	+Vo
5	Gr.
6	ACin
7	ACin



单位(Unit): mm

引脚 PIN	定义 SING
1	-Vo3
2	GND
3	+Vo2
4	-Vo1
5	+Vo1
6	Gr.
7	ACin
8	ACin