

500-1000W

## CFA 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
- Fully passed EMC test, comply with EN55022 (GB9254), IEC61000-4(GB17626)
- 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	± 1%
Line Regulation	± 0.2%
Load Regulation	± 0.4%
Temperature Coefficient	± 0.01%/°C
Output Current Limiting	120%(Typ)
Dynamic Response	400μs
Output Current	4.5-50A
Output Voltage	12-110V
Power	500-1000W

## 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	

## Environmental Characteristics

Case Temperature	(Industry) -25 - +85 °C
	(Military I) -40 - +85 °C
	(Military II) -55 - +85 °C
Storage Temperature	(Industry) -45 - +105 °C
	(Military) -55 - +105 °C

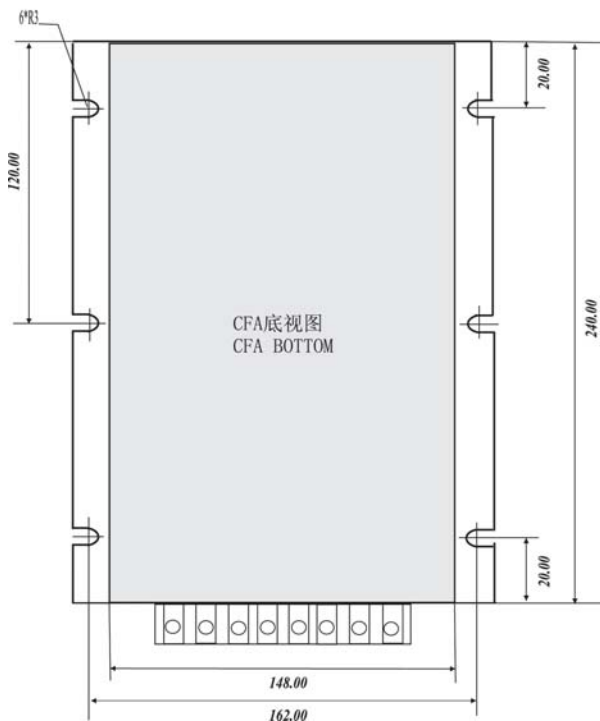
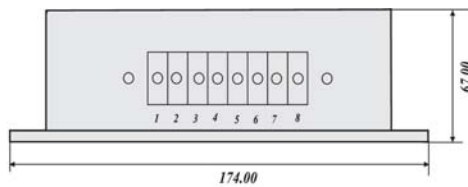
## Heat Characteristic

Cooling	Thermal Resistance
Breeze of Nature	0.70°C/W
0.5M/S	0.58°C/W
1M/S	0.44°C/W
1.5M/S	0.32°C/W
2M/S	0.27°C/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	12	41.67	120	84%	CFA500W220S12	
220	176-264	15	33.33	150	85%	CFA500W220S15	
220	176-264	24	20.83	200	86%	CFA500W220S24	
220	176-264	24	31.25	200	86%	CFA750W220S24	
220	176-264	28	26.78	280	86%	CFA750W220S28	
220	176-264	48	15.63	400	87%	CFA750W220S48	
220	176-264	48	20.83	400	87%	CFA1000W220S48	
220	176-264	110	4.5	800	87%	CFA500W220S110	

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

## Mechanical drawing and pin definition



单位 (Unit):mm

引脚 PIN	单路 SING
1	+Vo
2	+Vo
3	-Vo
4	-Vo
5	NC
6	Gr.
7	AC
8	AC