

50-150W

AC/DC

## CEA Series

## 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 $\mu\text{s}$
Cross Regulation	$\pm 3\%$
Output Current	3-20A
Output Voltage	1.8-48V
Power	50-150W

## General Characteristic

Switching Frequency	160-200	KHz
Isolation Resistance	200	M $\Omega$
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

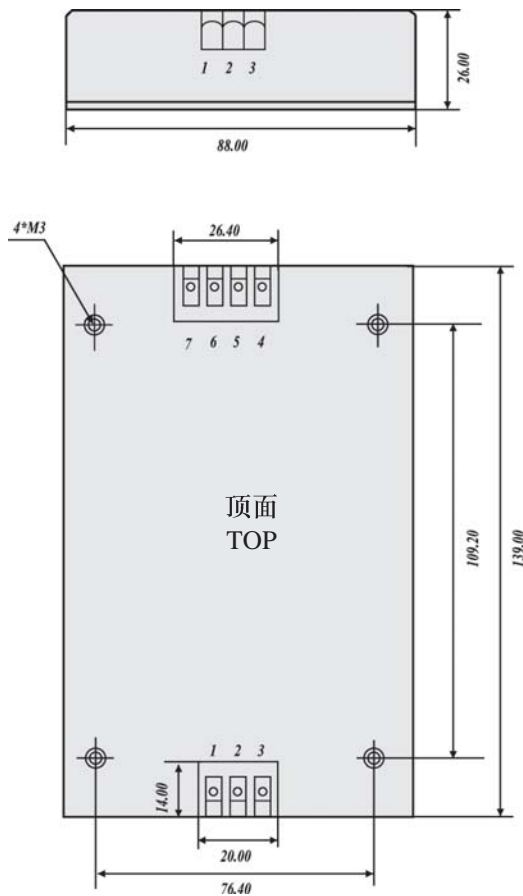
Cooling	Thermal Resistance
Breeze of Nature	1.90 $^{\circ}\text{C}/\text{W}$
0.5M/S	1.59 $^{\circ}\text{C}/\text{W}$
1M/S	1.18 $^{\circ}\text{C}/\text{W}$
1.5M/S	0.86 $^{\circ}\text{C}/\text{W}$
2M/S	0.71 $^{\circ}\text{C}/\text{W}$
	$^{\circ}\text{C}$

## 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%	CEA100W220S05
220	176-264	12	10.4	120	83%	CEA125W220S12
220	176-264	24	6.25	200	84%	CEA150W220S24
220	176-264	5&12	4&2.5	50&120	82%	CEA50W220D05&12
220	176-264	5&15	5&3.3	50&150	84%	CEA75W220D05&15
220	176-264	12&24	6&3.25	120&200	86%	CEA150W220D12&24
220	176-264	± 12,+05	1.5/1.42/3	120&50	81%	CEA50W220T12+05
220	176-264	± 15,+12	± 1.73/4	150&120	84%	CEA100W220T15+12
220	176-264	± 12,+15	± 4/3.6	120&150	85%	CEA150W220T12+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	单路 SING	双路1 DOU1	双路2 DOU2	三路 TRIP
1	<i>Acin</i>	<i>Acin</i>	<i>Acin</i>	<i>Acin</i>
2	<i>Acin</i>	<i>Acin</i>	<i>Acin</i>	<i>Acin</i>
3	<i>Gr.</i>	<i>Gr.</i>	<i>Gr.</i>	<i>Gr.</i>
4	<i>NC</i>	<i>-Vo2</i>	<i>NC</i>	<i>-Vo3</i>
5	<i>NC</i>	<i>+Vo2</i>	<i>+Vo2</i>	<i>+Vo2</i>
6	<i>-Vo</i>	<i>-Vo1</i>	<i>GND</i>	<i>GND</i>
7	<i>+Vo</i>	<i>+Vo1</i>	<i>+Vo1</i>	<i>+Vo1</i>