

100-500W

CKW 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
- Terminals 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	± 10%
Line Regulation	± 0.2%
Load Regulation	± 0.4%
Temperature Coefficient	± 0.01%/°C
Output Current Limiting	120%(Typ)
Dynamic Response	400μs
Output Current	4-40A
Output Voltage	1.8-48V
Power	100-500W

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

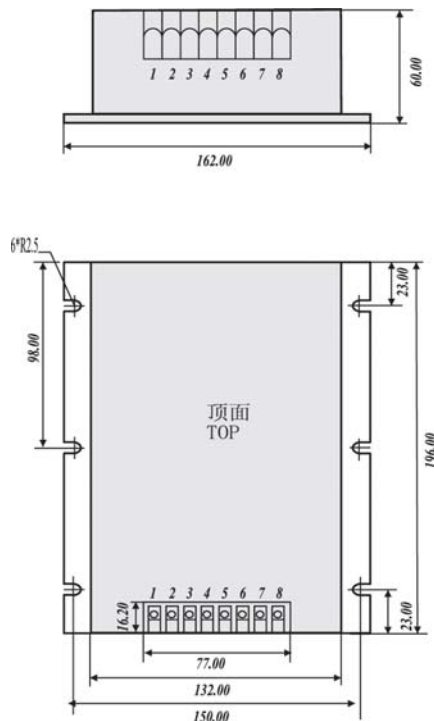
Heat Characteristic

Cooling	Thermal Resistance
Breeze of Nature	0.94°C/W
0.5M/S	0.79°C/W
1M/S	0.59°C/W
1.5M/S	0.43°C/W
2M/S	0.36°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	5	20	50	82%	CKW100W220S05	
220	176-264	12	8.33	120	83%	CKW100W220S12	
220	176-264	15	6.67	150	84%	CKW100W220S15	
220	176-264	24	4.17	200	87%	CKW100W220S24	
220	176-264	48	2.08	400	88%	CKW100W220S48	
220	176-264	5	30	50	82%	CKW150W220S05	
220	176-264	12	12.5	120	83%	CKW150W220S12	
220	176-264	48	10.42	400	84%	CKW500W220S48	
220	176-264	5&5	10&10	50/50	85%	CKW100W220D5&5	
220	176-264	12&12	4.17&4.17	120/120	88%	CKW100W220D12&12	
220	176-264	15&15	3.33&3.33	150/150	84%	CKW100W220D15&15	
220	176-264	5&5	15&15	50/50	85%	CKW150W220D5&5	
220	176-264	12&12	6.25&6.25	120/120	85%	CKW150W220D12&12	
220	176-264	15&15	5&5	150/150	87%	CKW150W220D15&15	
220	176-264	12&12	15&15	120/120	88%	CKW200W220D12&12	
220	176-264	24&24	10.4&10.4	200/200	86%	CKW500W220D24&24	

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 DOU
1	+Vo	+Vo1
2	+Vo	TRIM
3	-Vo	-Vo1
4	-Vo	+Vo2
5	NC	-Vo2
6	NC	NC
7	Acin	Acin
8	Acin	Acin