

# DC/DC CNF 系列

## 大功率三路独立输出

# AC/DC CNA 系列

## 提供多种散热及装配方式

150-300W



### 物理特性

结构尺寸: 159\*118\*27mm(CNA)  
159\*98\*33mm(CNF)  
重量: CNF:0.69Kg CNA:0.6Kg

### 特性

### Features

- 宽电压输入范围 Wide range of input voltage
- 输入宽频噪声滤波器 Wideband noise filter of input
- 快速动态响应 Fast dynamic response
- 接线端子出线方式 Outlet terminal method
- 输入浪涌抑制电路 Surge suppression circuit of input
- 符合 UL1950、IEC950 安全规程 Comply with UL1950,IEC950 safety regulations

### CNF 输入特性

### CNF Input Characteristics

电压范围: (Voltage Range)	<b>DC-DC</b> 12V <sub>DC</sub> (Normal)	9-18V <sub>DC</sub>
	24V <sub>DC</sub> (Normal)	18-36V <sub>DC</sub>
	48V <sub>DC</sub> (Normal)	36-72V <sub>DC</sub>
	110V <sub>DC</sub> (Normal)	66-160V <sub>DC</sub>

反压保护: 应用时外接电熔丝  
(Voltage Range) (External Fuse)

### CNA 输入特性

### CNA Input Characteristics

电压范围: (Voltage Range)	<b>AC-DC</b> 220V <sub>AC</sub> (Normal)	176-264V <sub>AC</sub>
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### 输出特性

### Output Characteristics

稳压精度: (Regulated Voltage Accuracy)	± 1%
电压调整率: (Line Regulation)	± 0.2%
负载调整率: (Load Regulation)	± 1%
温度变化率: (Temperature Coefficient)	± 0.02% /°C
电流限制点: (Output Current Limiting)	120% (Typ)
瞬态响应: (Transient Response)	400 μs

### 一般特性

### General Characteristics

工作频率 (典型值): (Switching Frequency)	200 KHz
隔离电阻: (Isolation Resistance)	200 (Typ)MΩ
MTBF:	>500000 hrs

### 绝缘强度 (Insulation Voltage)

	<b>DC-DC</b>	<b>AC-DC</b>
输入 - 输出: (Input-Output)	> 1500 V <sub>DC</sub>	> 1500 V <sub>AC</sub> /1min (漏电流 < 5mA)
输入 - 外壳: (Input-Case)	> 1050 V <sub>DC</sub>	> 1500 V <sub>AC</sub> /1min (漏电流 < 5mA)
输出 - 外壳: (Output-Case)	> 500 V <sub>DC</sub>	> 500 V <sub>DC</sub> /1min

### 环境特性 (Environmental Characteristics)

工作壳温: (Operation Temperature)	工业品 (Industry)	-25~+85°C
	军 I (Military I)	-40~+85°C
存储温度: (Storage Temperature)	军 II (Military II)	-55~+85°C
	工业品 (Industry)	-45~+105°C
	军品 (Military)	-55~+105°C

### 热阻特性

### Thermal Characteristics

冷却方式: (Cooling)	热阻 (Thermal Resistance)
自然风冷: (Breeze of Nature)	2.01°C /W
0.5M/S	1.67°C /W
1M/S	1.25°C /W
1.5M/S	0.91°C /W
2M/S	0.75°C /W

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型号

Models

	输入电压 (Vdc) Input Voltage	输入电压 (范围) Input Voltage<Range>	输出电压 (Vdc) Output Voltage	输出电流 (A) Output Current	纹波 pk-pk (mV) Ripple and noise	效率 (Typ) Efficiency	型号 Models
单路	12	9-18	05	30	30	82%	CNF-X150-12S05
	12	9-18	05	30	50	82%	CNF150-12S05
	12	9-18	12	12.5	30	82%	CNF-X150-12S12
	12	9-18	12	12.5	120	82%	CNF150-12S12
	12	9-18	24	6.25	200	83%	CNF150-12S24
	12	9-18	12	16.67	30	82%	CNF-X200-12S12
	12	9-18	12	16.67	120	82%	CNF200-12S12
	12	9-18	24	8.33	200	83%	CNF200-12S24
	12	9-18	48	4.17	300	84%	CNF200-12S48
	12	9-18	24	12.5	200	83%	CNF300-12S24
	24	18-36	05	30	50	82%	CNF150-24S05
	24	18-36	12	12.5	120	82%	CNF150-24S12
	24	18-36	24	6.25	200	83%	CNF150-24S24
	24	18-36	48	3.13	300	83%	CNF150-24S48
	24	18-36	12	16.67	120	82%	CNF200-24S12
	24	18-36	24	8.33	200	83%	CNF200-24S24
	24	18-36	48	4.17	300	84%	CNF200-24S48
	二路	24	18-36	24	12.5	200	83%
24		18-36	48	6.25	300	84%	CNF300-24S48
48		36-72	05	30	50	82%	CNF150-48S05
48		36-72	24	6.25	200	83%	CNF150-48S24
48		36-72	48	3.13	300	83%	CNF150-48S48
48		36-72	24	12.5	200	83%	CNF300-48S24
48		36-72	48	6.25	300	84%	CNF300-48S48
110		66-160	12	12.5	120	82%	CNF150-110S12
110		66-160	13.8	10.87	120	82%	CNF150-110S13.8
110		66-160	12	16.67	120	82%	CNF200-110S12
110		66-160	13.8	14.49	120	82%	CNF200-110S13.8
110		66-160	24	12.5	200	83%	CNF300-110S24
12		9-18	12&12	6.25&6.25	30&30	82%	CNF-X150-12D12&12
12		9-18	12&12	6.25&6.25	120&120	83%	CNF150-12D12&12
12		9-18	12&15	5&6	120&150	83%	CNF150-12D12&15
12		9-18	12&18	5&5	120&180	83%	CNF150-12D12&18
12		9-18	12&24	6.25&3	120&200	83%	CNF150-12D12&24
12		9-18	12&48	6.25&1.56	120&300	83%	CNF150-12D12&48
24	18-36	15&15	6.67&6.67	30&30	82%	CNF-X200-24D15&15	
24	18-36	15&15	6.67&6.67	150&150	82%	CNF200-24D15&15	
24	18-36	15&18	6&6.11	150&180	83%	CNF200-24D15&18	
24	18-36	15&24	8&3.33	150&200	83%	CNF200-24D15&24	
24	18-36	15&48	6&2.3	150&300	83%	CNF200-24D15&48	
48	36-72	15&15	10&10	30&30	82%	CNF-X300-48D15&15	
48	36-72	15&15	10&10	150&150	82%	CNF300-48D15&15	
48	36-72	15&18	10&8.33	150&180	83%	CNF300-48D15&18	
48	36-72	15&24	10&6.25	150&200	83%	CNF300-48D15&24	
48	36-72	15&48	10&3.125	150&300	83%	CNF300-48D15&48	
三路	12	9-18	±12, +05	4/4/10	120/120/50	82%	CNF150-12T12+05
	12	9-18	±05, +12	10/10/4	50/50/120	82%	CNF150-12T05+12
	12	9-18	±05, +24	10/10/2	50/50/300	83%	CNF150-12T05+24
	24	18-36	±12, +05	5.83/5.83/12	120/120/50	82%	CNF200-24T12+05
	24	18-36	±05, +12	12/12/6.67	50/50/120	82%	CNF200-24T05+12
	24	18-36	±05, +24	12/12/3.3	50/50/300	83%	CNF200-24T05+24
	48	36-72	±12, +05	8.3/8.3/20	120/120/50	82%	CNF300-48T12+05
	48	36-72	±05, +12	20/20/8.3	50/50/120	82%	CNF300-48T05+12

注：以上选型，型号中功率前面带“X”的为低纹波电源，纹波小于等于 30mV。Above selection, Model selection of the mark with an "X" is low ripple power supply, the ripple is less than 30mV.

■ 说明：仅列出典型型号，其它型号请确定功率、输入电压及输出电压后，致电我公司。

Only typical models and listed. If you need other models, please confirm the power, input voltage and output voltage, then phone us.

# AC/DC CNA 系列

## 型号

## Models

	输入电压 (Vac) Input Voltage	输入电压 (范围) Input Voltage<Range>	输出电压 (Vdc) Output Voltage	输出电流 (A) Output Current	纹波 pk-pk (mV) Ripple and noise	效率 (Typ) Efficiency	型号 Models
单路	220	176-264	05	30	30	82%	CNA-X150-220S05
	220	176-264	05	30	50	82%	CNA150-220S05
	220	176-264	12	12.5	30	82%	CNA-X150-220S12
	220	176-264	12	12.5	120	82%	CNA150-220S12
	220	176-264	24	6.25	200	83%	CNA150-220S24
	220	176-264	12	14.17	30	82%	CNA-X170-220S12
	220	176-264	12	14.17	120	82%	CNA170-220S12
	220	176-264	24	7.08	200	83%	CNA170-220S24
	220	176-264	12	16.67	120	82%	CNA200-220S12
	220	176-264	24	8.33	200	83%	CNA200-220S24
	220	176-264	48	4.17	300	84%	CNA200-220S48
	220	176-264	12	20.83	120	82%	CNA250-220S12
	220	176-264	24	10.42	200	83%	CNA250-220S24
	220	176-264	48	5.21	300	84%	CNA250-220S48
双路	220	176-264	12	25	120	82%	CNA300-220S12
	220	176-264	24	12.5	200	83%	CNA300-220S24
	220	176-264	48	6.25	300	84%	CNA300-220S48
	220	176-264	±05	15/15	30/30	82%	CNA-X150-220D05
	220	176-264	±05	15/15	50/50	82%	CNA150-220D05
	220	176-264	05&12	6&10	50&120	82%	CNA150-220D05&12
	220	176-264	12&12	6.25&6.25	120&120	82%	CNA150-220D12&12
	220	176-264	05&24	6&5	50&200	82%	CNA150-220D05&24
	220	176-264	±05	17/17	50/50	82%	CNA170-220D05
	220	176-264	±12	7/7	120/120	82%	CNA170-220D12
	220	176-264	05&12	5&12	50&120	82%	CNA170-220D05&12
	220	176-264	12&12	7&7	120&120	82%	CNA170-220D12&12
	220	176-264	05&24	3&5.8	50&200	82%	CNA170-220D05&24
	220	176-264	±05	20/20	50/50	82%	CNA200-220D05
220	176-264	±12	8.3/8.3	120/120	82%	CNA200-220D12	
三路	220	176-264	05&12	6&14	50&120	82%	CNA200-220D05&12
	220	176-264	12&12	8.3&8.3	120&120	82%	CNA200-220D12&12
	220	176-264	05&24	6&7	50&200	82%	CNA200-220D05&24
	220	176-264	±05	25/25	50/50	82%	CNA250-220D05
	220	176-264	±12	10/10	120/120	82%	CNA250-220D12
	220	176-264	05&12	25&10	50&120	82%	CNA250-220D05&12
	220	176-264	12&12	10&10	120&120	82%	CNA250-220D12&12
	220	176-264	05&24	25&6	50&200	82%	CNA250-220D05&24
	220	176-264	±05	30/30	50/50	82%	CNA300-220D05
	220	176-264	±12	12.5/12.5	120/120	82%	CNA300-220D12
	220	176-264	05&12	30&12.5	50&120	82%	CNA300-220D05&12
	220	176-264	12&12	12.5&12.5	120&120	82%	CNA300-220D12&12
	220	176-264	05&24	30&6.25	50&200	82%	CNA300-220D05&24
	220	176-264	±24	6.25/6.25	200/200	84%	CNA300-220D24
三路	220	176-264	±12, +05	4/4/10	120/120/50	82%	CNA150-220T12+05
	220	176-264	±05, +12	10/10/4	50/50/120	82%	CNA150-220T05+12
	220	176-264	±05, +24	10/10/2	50/50/300	83%	CNA150-220T05+24
	220	176-264	±12, +05	5.83/5.83/12	120/120/50	82%	CNA200-220T12+05
	220	176-264	±05, +12	12/12/6.67	50/50/120	82%	CNA200-220T05+12
	220	176-264	±05, +24	12/12/3.3	50/50/300	83%	CNA200-220T05+24
	220	176-264	±12, +05	8.3/8.3/20	120/120/50	82%	CNA300-220T12+05
	220	176-264	±05, +12	20/20/8.3	50/50/120	82%	CNA300-220T05+12
	220	176-264	±05, +24	20/20/4	50/50/300	83%	CNA300-220T05+24
	220	176-264	±12, +15	8.3/8.3/6.7	120/120/150	83%	CNA300-220T12+15

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