

75-150W

DC/DC

CBZ/CCZ Series

Features

- II type input filter
- Feature constant output current
- 2X, 4X voltage input
- Design for high reliability, long lifetime
- Easy installation, single side pin out
- Natural cooling, with heat sink attachable
- Wide range of power, easy to upgrade



Input Characteristic

Voltage Range	12 VDC	9-18 VDC
	24 VDC	18-36 VDC
	48 VDC	36-72 VDC
	18 VDC	9-36 VDC

Reverse Protection Connect Fuse Outside

Output Characteristic

Voltage Set-point Accuracy	± 1%
Output Voltage Range	± 0.2%
Line Regulation	± 0.4%
Load Regulation	± 0.01%/°C
Temperature Coefficient	120%(Typ)
Dynamic Response	400µs
Output Current	3-15A
Output Voltage	1.8-48V
Power	75-150W

General Characteristic

Switching Frequency	160-200	KHz
Isolation Resistance	200	M Ω
MTBF	>500000	h
Isolation Voltage		
Input-Output	>1500	VDC
Input-Case	>1050	VDC
Output-Case	>500	VDC

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	4.38°C/W
0.5M/S	3.65°C/W
1M/S	2.72°C/W
1.5M/S	1.98°C/W
2M/S	1.64°C/W

CBZ/CCZ Series

75-150W

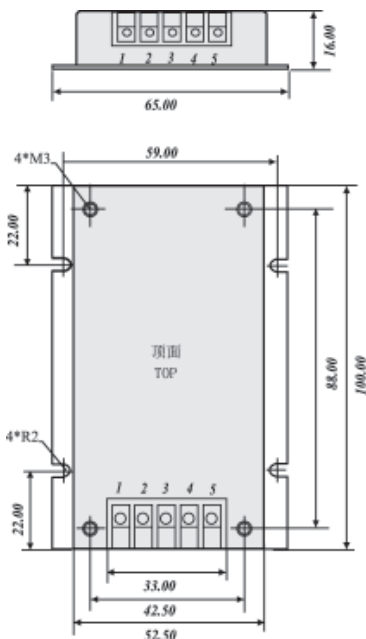
DC/DC

Models							
CCZ, CBZ are almost the same CCZ heat sink at bottom							
Input voltage (Vdc)	Input Range	Output voltage (Vdc)	Output current (A)	Ripple and noise pk-pk(mv)	Efficiency Typical	Models	
12	9-18	12	6.25	120	83%	CBZ75-12S12	
12	9-18	24	5.2	200	84%	CBZ125-12S24	
24	18-36	28	2.68	280	88%	CBZ75-24S28	
24	18-36	48	3.13	400	89%	CBZ150-24S48	
24	18-36	12	6.25	120	85%	CBZ75-24S12	
48	36-72	12	10.4	120	88%	CBZ125-48S12	
48	36-72	28	5.36	280	89%	CBZ150-48S28	
18	9-36	24	5	200	85%	CBZ120-18S24	
18	9-36	28	4.29	280	85%	CBZ120-18S28	

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

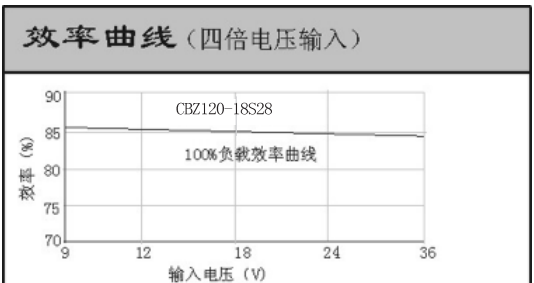
Mechanical drawing and pin definition

Efficiency curve



CBZ series		CCZ series	
引脚 PIN	单路 SING	引脚 PIN	单路 SING
1	-Vo	1	-Vin
2	+Vo	2	+Vin
3	REM	3	REM
4	+Vin	4	+Vo
5	-Vin	5	-Vo

单位 (Unit) :mm



- CCZ height is 17mm