

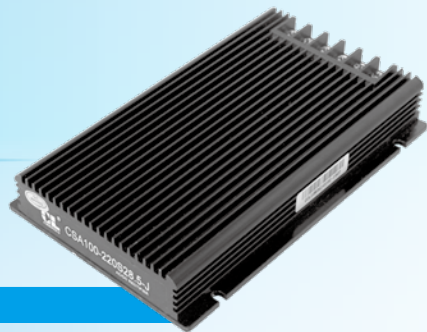
DC/DC CSZ 系列

铁路机车专用电源

AC/DC CSA 系列

超低输出噪声 <30mvp-p

75-150W



物理特性

结构尺寸: 160*100*31mm
重量: CSZ:0.65Kg CSA:0.60Kg

特性

Features

- 宽电压输入范围 Wide range of input voltage
- 输入浪涌抑制电路 Surge suppression circuit of input
- 输入宽频噪声滤波器 Wideband noise filter of input
- 通过 GB9254、T/B3034 标准 Comply with GB9254,T/B3034 regulations
- 符合 UL1950、IEC950 安全规程 Comply with UL1950,IEC950 safety regulations
- 接线端子出线方式, 安装方便 Outlet terminal method, Easy installation

CSZ 输入特性

CSZ Input Characteristics

电压范围: (Voltage Range)	DC-DC 12V _{DC} (Normal)	9-18V _{DC}
	18V _{DC} (Normal)	9-36V _{DC}
	24V _{DC} (Normal)	18-36V _{DC}
	48V _{DC} (Normal)	36-72V _{DC}
	110V _{DC} (Normal)	66-160V _{DC}
	300V _{DC} (Normal)	200-400V _{DC}

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

CSA 输入特性

CSA Input Characteristics

电压范围: (Voltage Range)	AC-DC 220V _{AC} (Normal)	176-264V _{AC}
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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)

	DC-DC	AC-DC
输入-输出: (Input-Output)	> 1500 V _{DC}	> 1500 V _{AC} /1min (漏电流 < 5mA)
输入-外壳: (Input-Case)	> 1050 V _{DC}	> 1500 V _{AC} /1min (漏电流 < 5mA)
输出-外壳: (Output-Case)	> 500 V _{DC}	> 500 V _{DC} /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
	军 II (Military II)	-55~+85°C
存储温度: (Storage Temperature)	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)	1.80°C/W
0.5M/S	1.51°C/W
1M/S	1.10°C/W
1.5M/S	0.82°C/W
2M/S	0.67°C/W

DC/DC CSZ 系列

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
12	9-18	5	10	30	80%	CSZ-X50-12S05-H
12	9-18	5	10	50	80%	CSZ50-12S05-H
12	9-18	12	6.25	30	82%	CSZ-X75-12S12-H
12	9-18	12	6.25	120	82%	CSZ75-12S12-H
12	9-18	12	8.33	120	81%	CSZ100-12S12-H
12	9-18	13.8	7.25	120	81%	CSZ100-12S13.8-H
12	9-18	24	4.17	200	82%	CSZ100-12S24-H
18	9-36	12	6.25	120	80%	CSZ75-18S12-H
18	9-36	24	3.125	200	80%	CSZ75-18S24-H
18	9-36	12	8.3	120	80%	CSZ100-18S12-H
18	9-36	24	4.17	200	80%	CSZ100-18S24-H
24	18-36	12	6.25	30	82%	CSZ-X75-24S12-H
24	18-36	12	6.25	120	82%	CSZ75-24S12-H
24	18-36	24	3.125	200	83%	CSZ75-24S24-H
24	18-36	12	8.33	120	82%	CSZ100-24S12-H
24	18-36	13.8	7.25	120	82%	CSZ100-24S13.8-H
24	18-36	24	4.17	200	83%	CSZ100-24S24-H
24	18-36	12	10	30	82%	CSZ-X120-24S12-H
24	18-36	15	8	150	82%	CSZ120-24S15-H
24	18-36	24	5	200	83%	CSZ120-24S24-H
24	18-36	12	12.5	120	82%	CSZ150-24S12-H
24	18-36	24	6.25	200	83%	CSZ150-24S24-H
48	36-72	12	8.33	120	82%	CSZ100-48S12-H
48	36-72	24	4.17	200	83%	CSZ100-48S24-H
48	36-72	12	10	120	82%	CSZ120-48S12-H
48	36-72	15	8	150	82%	CSZ120-48S15-H
48	36-72	24	5	200	83%	CSZ120-48S24-H
48	36-72	12	12.5	120	82%	CSZ150-48S12-H
48	36-72	15	10	150	82%	CSZ150-48S15-H
48	36-72	24	6.25	200	83%	CSZ150-48S24-H
110	66-160	12	8.33	30	82%	CSZ-X100-110S12-H
110	66-160	12	8.33	120	82%	CSZ100-110S12-H
110	66-160	24	4.17	200	83%	CSZ100-110S24-H
110	66-160	48	2.08	300	84%	CSZ100-110S48-H
110	66-160	12	10	120	82%	CSZ120-110S12-H
110	66-160	24	5	30	83%	CSZ-X120-110S24-H
110	66-160	48	2.5	300	84%	CSZ120-110S48-H
110	66-160	12	12.5	120	82%	CSZ150-110S12-H
110	66-160	24	6.25	200	83%	CSZ150-110S24-H
110	66-160	48	3.125	300	84%	CSZ150-110S48-H
110	80-180	12	8.33	120	82%	CSZ100-110S12-H
110	80-180	24	4.17	30	83%	CSZ-X100-110S24-H
110	80-180	12	10	30	82%	CSZ-X120-110S12-H
110	80-180	12	10	120	82%	CSZ120-110S12-H
110	80-180	12	12.5	120	82%	CSZ150-110S12-H
110	80-180	24	6.25	200	83%	CSZ150-110S24-H
300	200-400	24	5	200	83%	CSZ120-300S24-H
24	18-36	05&12	4&6.17	30&30	82%	CSZ-X100-24D05&12-H
24	18-36	05&24	4&3.33	50&200	83%	CSZ100-24D05&24-H
24	18-36	05&12	6&7.5	50&120	82%	CSZ120-24D05&12-H
24	18-36	05&24	4&4.17	50&200	83%	CSZ120-24D05&24-H
110	80-180	05&12	8&9.17	50&120	82%	CSZ150-110D05&12-H
110	80-180	05&24	6&5	50&200	83%	CSZ150-110D05&24-H

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.

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	220	176-264	12	6.25	30	82%	CSA-X75-220S12-H	
	220	176-264	12	6.25	120	82%	CSA75-220S12-H	
	220	176-264	15	5	150	82%	CSA75-220S15-H	
	220	176-264	24	3.13	30	83%	CSA-X75-220S24-H	
	220	176-264	28	2.68	300	83%	CSA75-220S28-H	
	220	176-264	48	1.56	300	84%	CSA75-220S48-H	
	220	176-264	12	8.3	30	82%	CSA-X100-220S12-H	
	220	176-264	12	8.3	120	82%	CSA100-220S12-H	
	220	176-264	15	6.67	150	82%	CSA100-220S15-H	
	220	176-264	24	4.17	30	83%	CSA-X100-220S24-H	
	220	176-264	28	3.57	300	83%	CSA100-220S28-H	
	220	176-264	48	2.08	300	85%	CSA100-220S48-H	
	路	220	176-264	12	10	30	82%	CSA-X120-220S12-H
		220	176-264	12	10	120	82%	CSA120-220S12-H
		220	176-264	15	8	150	82%	CSA120-220S15-H
		220	176-264	24	5	30	83%	CSA-X120-220S24-H
		220	176-264	28	4.29	300	84%	CSA120-220S28-H
		220	176-264	48	2.5	300	85%	CSA120-220S48-H
		220	176-264	12	12.5	120	82%	CSA150-220S12-H
		220	176-264	13.8	10.87	120	82%	CSA150-220S13.8-H
220		176-264	15	10	150	82%	CSA150-220S15-H	
220		176-264	18	8.33	180	83%	CSA150-220S18-H	
220		176-264	24	6.25	200	83%	CSA150-220S24-H	
220		176-264	28	5.36	300	84%	CSA150-220S28-H	
220		176-264	36	4.17	300	84%	CSA150-220S36-H	
220		176-264	48	3.13	300	85%	CSA150-220S48-H	
220		85-264	12	10	30	82%	CSA-X120-220S12-KH	
220		85-264	12	10	120	82%	CSA120-220S12-KH	
220		85-264	12	12.5	120	82%	CSA150-220S12-KH	
220		85-264	24	6.25	200	83%	CSA150-220S24-KH	
双		220	176-264	05&12	6&3.75	30&30	82%	CSA-X75-220D05&12-H
		220	176-264	05&12	6&3.75	50&120	82%	CSA75-220D05&12-H
	220	176-264	05&12	6&5.83	50&120	82%	CSA100-220D05&12-H	
	220	176-264	05&24	4&3.33	30&30	82%	CSA-X100-220D05&24-H	
	220	176-264	13.8&13.8	3.63&3.63	120&120	82%	CSA100-220D13.8&13.8-H	
	220	176-264	12&36	2.5&2.2	120&300	83%	CSA110-220D12&36-H	
	220	176-264	05&24	4&4.17	50&200	82%	CSA120-220D05&24-H	
	220	176-264	13.8&13.8	4.35&4.35	120&120	82%	CSA120-220D13.8&13.8-H	
	220	176-264	05&12	6&10	50&120	82%	CSA150-220D05&12-H	
	220	176-264	05&24	6&5	50&200	83%	CSA150-220D05&24-H	
路	220	176-264	13.8&13.8	5.43&5.43	120&120	82%	CSA150-220D13.8&13.8-H	
	220	176-264	12&24	4.17&4.17	120&200	83%	CSA150-220D12&24-H	

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