



勇 做 科 技 先 锋 铸 造 电 源 未 来

AC/DC DC/DC 系列模块电源



238475682, 98545

85467



承力电源

CHENGLI POWERSUPPLY



Compact Power Model

www.chengli.com.cn

企业简介

北京承力电源有限公司位于中关村科技园昌平园，占地 12000 平方米，员工约 270 人，是经北京市科委认证的中关村高新技术企业。承力公司凭借出众的技术优势和可靠的质量管理体系，“CL”品牌的模块电源产品已覆盖全国市场，广泛应用于通信、自控、仪器仪表、航空航天、医疗、车载设备、铁路、船舶和电力等领域。

承力公司早在 97 年即开始批量生产军品模块电源，现产品已广泛应用于中国人民解放军海、陆、空及防化、装甲、通讯等各军、兵种的列装装备中。

承力公司始终以质量第一，信誉第一，用户至上为企业理念。以求新、求实、求精的企业精神，经过完善的科学管理和技术进步，成为国内具有一定规模，一定实力，一定水准的开关电源制造企业。

我公司以顾客需求为关注焦点，为顾客提供高标准、高质量、高可靠的电源产品作为我们的目标。以严格的生产流程，科学的质量控制，周到的客户服务为企业发展的宗旨。

公司拥有一支理论基础扎实和实践经验丰富高素质的研发队伍。并具有数条装备精良的生产线（其中一条军品生产线）及经过培训操作熟练的技术工人。力争在复杂的市场环境对客户的需求作出最满意的答复。

承力电源公司早于 1995 年就通过邮电部工业产品质量监督检验中心的 YD/T733 标准的检验，并制定了高于此标准的企业标准。

◆2000 年承力公司率先通过 2000 版的 GB/T9001-2000 质量体系认证。

◇2001 年 11 月通过信息产业部电信设备进网许可证。

◆2004 年 3 月获得 GJB9001A-2001 军工产品质量体系认证证书



Corporate Profile

Located in the Changping Park of the Zhongguancun Science Park, Beijing Chengli Power Supply Co., Ltd. occupies a land area of 12,000m² and employs some 270 workers. It is a high and new technology enterprise certified by the Beijing Municipal Commission on Science and Technology. Building upon its outstanding technological advantages and reliable quality management system, Chengli Company has promoted its CL Brand modular power supply products to the market in the whole state. Its products have now been widely used in the fields of communications, automatic control, instruments and meters, aviation and aerospace, healthcare, in-board equipment, railway, ships and electric power.

As early as in 1997, Chengli Company started the batch production of military power supply modules. Currently, its products are widely used in the equipment of the army, air force, navy, antichemical warfare corps, armored forces and communications forces of the People's Liberation Army.

Chengli Company has long carried forward the corporate philosophy of Quality and Reputation First and Users Foremost. In line with the spirit of innovation, practicality and refinement and through sound scientific management and technological progress, the company has now become a switch power supply manufacturer of a certain size, strength and level in China.

The company takes customer demand as its focus of attention, providing customers with high standard, high quality and high reliability power supply products as its goal, and vigorous production workflows, scientific quality control and comprehensive customer services as its corporate tenet.

The company has a high quality R&D force with solid theoretical knowledge and rich practical experiences, several well-equipped production lines (one of them is a military product line) and skillful workers. The company strives to make the most satisfactory response to customer needs in a complicated market environment.

In 1995, Chengli Company passed the YD/T733 test undertaken by the Industrial Product Quality Supervision and Test center of the Ministry of Post and Telecommunications. It has also formulated an enterprise standard much higher than the YD/T733 Standard.

2000: Chengli Company was the first to pass GB/T9001-2000 certification.

November 2001: Chengli Company obtained Network Access License for Telecom Equipment from the Ministry of Information Industry.

March 2004: Chengli Company obtained the GJB9001A-2001 Certificate of Conformity of Quality System Certification of Military Product Supplier.

公司认证证书

Our certifications



生产及试验设备

Production, test & measurement equipment

三条装备精良生产线 (一条军工产品生产线)

Three well-equipped production lines (one military production line)

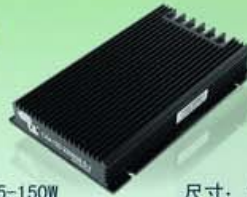


铁路机车专用电源

输入电压: 12V、18V、24V、48V、110V、300V
 输出路数: 单路, 双路
 特性: 通过铁标 T/B3034
 输入防浪涌限制

DC-DC CSZ 系列

【重量】CSZ:0.65Kg



功率: 75-150W

尺寸: 160*100*31mm

P.86-88

AC-DC GSA 系列

【重量】GSA:0.6Kg

超低输出噪声 <30mvp-p

输入电压: 220VAC
 输出路数: 单路, 双路
 特性: 通过电磁兼容辐射实验 (B级),
 GB9254, EN50121

铁路机车专用电源

输入电压: 24V、48V、110V
 输出路数: 单路, 双路
 特性: 输出低纹波, 双路独立稳压
 通过铁标 T/B3034
 输入防浪涌限制

DC-DC MZF 系列

【重量】MZF:0.9Kg



功率: 75-150W

尺寸: 140/160*120*50mm

P.89-91

AC-DC MAG 系列

【重量】MAG:1.1Kg

三路独立稳压输出

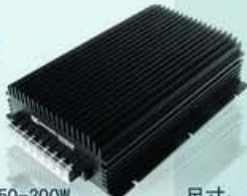
输入电压: 220VAC
 输出路数: 双路, 三路
 特性: 输出低纹波, 双路独立稳压

铁路机车专用电源

输入电压: 24V、48V、110V、300V、600V
 输出路数: 单路, 双路, 三路
 特性: 通过铁标 T/B3034
 输入防浪涌限制

DC-DC MZC 系列

【重量】MZC:1.8Kg



功率: 150-300W

尺寸: 196*148*52mm

P.92-94

AC-DC MAA 系列

【重量】MAA:1.8Kg

内置功率因数校正电路

输入电压: 220VAC、380VAC
 输出路数: 单路, 双路, 三路, 四路
 特性: 宽电压输入范围,
 输出低纹波, 定制性强

最高输入 1400Vdc

输入电压: 24V、48V、110V、300V、600V、1000V
 输出路数: 单路, 双路
 特性: 输出低纹波, 双路独立稳压

DC-DC CUZ 系列

【重量】CUZ:2.7Kg



功率: 300-750W

尺寸: 240*174*67mm

P.95-97

AC-DC CFA 系列

【重量】CFA:2.8Kg

内置功率因数校正电路

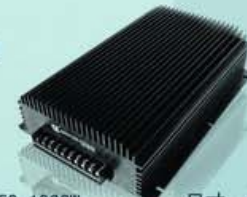
输入电压: 220VAC
 输出路数: 单路, 双路
 特性: 全面通过电磁兼容测试, 符合
 EN55022 (GB9254), IEC61000-4 (GB17626)

最高输入 1400Vdc

输入电压: 24V、48V、110V、300V、600V、1000V
 输出路数: 单路, 双路, 三路
 特性: 通过 IEC60571, IEC61000
 输出低纹波, 定制性强

DC-DC MZH 系列

【重量】MZH:4.2Kg



功率: 750-1200W

尺寸: 280*200*69mm

P.98-100

AC-DC MAH 系列

【重量】MAH:4.6Kg

多路输出电源 (定制)

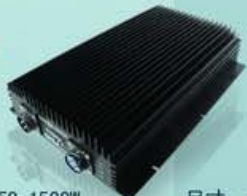
输入电压: 220VAC、380VAC
 输出路数: 单路, 双路, 三路
 特性: 宽电压输入范围,
 输入浪涌抑制电路

军用电源

输入电压: 24V、48V、60V、300V、600V、1000V
 输出路数: 单路, 双路
 特性: 航空插头与端子出线方式可选择
 通过 IEC61000

DC-DC CKZ 系列

【重量】CKZ:6.1Kg



功率: 750-1500W

尺寸: 350*241*72mm

P.101-103

AC-DC CKA 系列

【重量】CKA:6.1Kg

军用电源

输入电压: 220VAC
 输出路数: 单路, 双路
 特性: 航空插头与端子出线方式可选择
 输出低纹波, 定制性强

大功率电源

输入电压: 24V、48V、60V、300V、600V
 输出路数: 单路
 特性: 宽电压输入范围, 航空插头出线方式
 通过 IEC61000

DC-DC CTZ 系列

【重量】CTZ:15.4Kg



功率: 800-2000W

尺寸: 400*310*94mm

P.104-106

AC-DC CTA 系列

【重量】CTA:15.4Kg

大功率电源

输入电压: 220VAC、380VAC
 输出路数: 单路
 特性: 宽电压输入范围, 航空插头出线方式

全功率 4 路独立输出电源 DC-DC MBZ 系列

【重量】MBZ:1.1Kg

输入电压: 12V、24V、48V

输出路数: 四路

特性: 输出低纹波, 四路独立稳压

功率: 75-150W



尺寸: 135*100*70mm

P.107-109

AC-DC MBA 系列

【重量】MBA:1.1Kg

交、直流同时输入, 零秒切换

输入电压: 220VAC

输出路数: 双路、四路

特性: 输出低纹波, 四路独立稳压, 可交流与直流零秒切换, AC、DC 相互完全隔离

全功率 4 路独立输出电源 DC-DC MCZ 系列

【重量】MCZ:2.5Kg

输入电压: 12V、24V、48V

输出路数: 四路

特性: 输出低纹波, 四路独立稳压

功率: 150-300W



尺寸: 220*160*107mm

P.110-112

AC-DC MCA 系列

【重量】MCA:2.5Kg

交、直流同时输入, 零秒切换

输入电压: 220VAC

输出路数: 双路、四路

特性: 输出低纹波, 四路独立稳压

全功率 4 路独立输出电源 DC-DC MDZ 系列

【重量】MDZ:8.0Kg

输入电压: 12V、24V、48V

输出路数: 四路

特性: 输出低纹波, 四路独立稳压

功率: 800-1500W



尺寸: 360*240*146mm

P.113-115

AC-DC MDA 系列

【重量】MDA:8.0Kg

内置功率因数校正电路

输入电压: 220VAC

输出路数: 双路、四路

特性: 输出低纹波, 四路独立稳压

超轻! (传导散热)

DC-DC MZCB 系列

【重量】MZCB:1.2Kg

输入电压: 12V、24V、48V、110V、

300V、600V

输出路数: 单路、双路、三路、四路

特性: 输出低纹波, 四路独立稳压

功率: 150-300W



尺寸: 196*148*40mm

P.116-118

AC-DC MAAB 系列

【重量】MAAB:1.2Kg

超轻! (传导散热)

输入电压: 220VAC

输出路数: 单路、双路、三路、四路

特性: 输出低纹波, 四路独立稳压

超轻! (传导散热)

DC-DC CUZB 系列

【重量】CUZB:1.5Kg

输入电压: 12V、24V、48V、110V、300V

600V、800V、1000V

输出路数: 单路、双路

特性: 输出低纹波, 双路独立稳压

功率: 300-750W



尺寸: 240*174*53mm

P.119-121

AC-DC CFAB 系列

【重量】CFAB:1.5Kg

超轻! (传导散热)

输入电压: 220VAC

输出路数: 单路、双路

特性: 输出低纹波, 双路独立稳压

1U- 通用式机箱电源

300-2000W

特性

- 具备全面输入、输出保护功能
- 优化散热设计, 功率可达 2000W
- 电源具有: 输出电压、电流显示 (按键切换)
- 符合 UL1950、IEC950 安全规程
- 1U (19 英寸标准机箱)
- 出线方式: 接线柱、接线端子



输入电压范围

220VAC (额定值)	176-264VAC
220VDC (额定值)	180-380VDC
110VDC (额定值)	80-180VDC
48VDC (额定值)	36-72VDC
24VDC (额定值)	18-36VDC

2U- 通用式机箱电源

1500-4000W

特性

- 具备全面输入、输出保护功能
- 优化散热设计, 功率可达 4000W
- 电源具有: 输出电压、电流显示 (按键切换)
- 符合 UL1950、IEC950 安全规程
- 2U (19 英寸标准机箱)
- 出线方式: 接线柱、接线端子



输入电压范围

220VAC (额定值)	176-264VAC
220VDC (额定值)	180-380VDC
110VDC (额定值)	80-180VDC
48VDC (额定值)	36-72VDC
24VDC (额定值)	18-36VDC

3U- 通用式机箱电源

750-2000W

特性

- 模块失效监控功能具有声、光报警; 支持远端控制
- 宽电压输入范围, 具备全面输入、输出保护功能
- 具备无主均流功能, 能实现 N+1 热备份, 支持热插拔
- 具备输出电压微调功能
- 符合 UL1950、IEC950 安全规程
- 3U (19 英寸标准机箱)
- 出线方式: 接线端子



输入电压范围

220VAC (额定值)	176-264VAC
220VDC (额定值)	180-380VDC
110VDC (额定值)	80-180VDC
48VDC (额定值)	36-72VDC
24VDC (额定值)	18-36VDC

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集成一体化模块电源 Compact Power Module With Heat Sink

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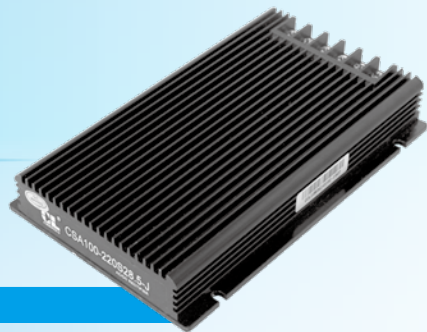
DC/DC CSZ 系列

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

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路

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	

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。

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DC/DC MZF 系列

铁路机车专用电源

AC/DC MAG 系列

三路独立稳压输出

75-200W



物理特性

结构尺寸: 160/140*120*50mm
重量: MZF:0.90Kg MAG:1.1Kg

特性

Features

- 输出低纹波 Low output Ripple
- 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
- 双路、三路稳定输出 Double and Triple stable output
- 全面通过 EN55021, IEC60571 测试 Fully passed EN55021, IEC60571 test
- 符合 UL1950、IEC950 安全规程 Comply with UL1950, IEC950 safety regulations

MZF 输入特性

MZF Input Characteristics

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

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

MAG 输入特性

MAG 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
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)	1.70 °C / W
0.5M/S	1.39 °C / W
1M/S	1.14 °C / W
1.5M/S	0.93 °C / W
2M/S	0.76 °C / W

DC/DC MZF 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	
单	12	9-18	12	6.25	30	82%	MZF-X75-12S12	
	12	9-18	12	6.25	120	82%	MZF75-12S12	
	12	9-18	24	6.25	200	83%	MZF150-12S24	
	24	18-36	12	6.25	30	82%	MZF-X75-24S12	
	24	18-36	12	6.25	120	82%	MZF75-24S12	
	24	18-36	12	1.57	120	82%	MZF75-24S48	
	24	18-36	24	4.17	200	83%	MZF100-24S24	
	24	18-36	12	8.33	30	82%	MZF-X100-24S12	
	24	18-36	12	8.33	120	82%	MZF100-24S12	
	路	48	36-72	12	12.5	120	82%	MZF150-48S12
		48	36-72	24	6.25	200	83%	MZF150-48S24
		48	36-72	48	3.13	300	84%	MZF150-48S48
		110	66-160	12	6.25	120	82%	MZF75-110S12
		110	66-160	24	3.13	200	84%	MZF75-110S24
110		66-160	48	2	300	85%	MZF100-110S48	
110		66-160	12	8.33	120	82%	MZF100-110S12	
110		66-160	24	6.25	200	84%	MZF150-110S24	
110		66-160	48	3.13	300	84%	MZF150-110S48	
双		12	9-18	12&12	3.13&3.13	30&30	82%	MZF-X75-12D12&12
		12	9-18	12&12	3.13&3.13	120&120	82%	MZF75-12D12&12
		12	9-18	24&24	1.56&1.56	200&200	82%	MZF75-12D24&24
		12	9-18	12&12	4.17&4.17	120&120	83%	MZF100-12D12&12
		12	9-18	12&24	4.17&2	120&200	82%	MZF100-12D12&24
	12	9-18	24&24	2&2	200&200	83%	MZF100-12D24&24	
	12	9-18	05&12	10&8.33	50&120	82%	MZF150-12D05&12	
	12	9-18	12&12	6.25&6.25	120&120	83%	MZF150-12D12&12	
	12	9-18	12&24	6.25&3.13	120&200	82%	MZF150-12D12&24	
	12	9-18	24&24	3.13&3.13	200&200	83%	MZF150-12D24&24	
	24	18-36	12&12	3.13&3.13	120&120	82%	MZF75-24D12&12	
	24	18-36	12&24	3.13&1.56	120&200	83%	MZF75-24D12&24	
	24	18-36	24&24	1.56&1.56	200&200	82%	MZF75-24D24&24	
	24	18-36	12&12	4.17&4.17	120&120	83%	MZF100-24D12&12	
	24	18-36	12&24	4.17&2	120&200	82%	MZF100-24D12&24	
	24	18-36	24&24	2&2	200&200	83%	MZF100-24D24&24	
	24	18-36	05&12	10&8.33	30&30	82%	MZF-X150-24D05&12	
	24	18-36	05&12	10&8.33	50&120	82%	MZF150-24D05&12	
	24	18-36	12&24	6.25&3.13	120&200	82%	MZF150-24D12&24	
	24	18-36	24&24	3.13&3.13	200&200	83%	MZF150-24D24&24	
	路	48	36-72	12&12	3.13&3.13	120&120	82%	MZF75-48D12&12
		48	36-72	12&24	3.13&1.56	120&200	83%	MZF75-48D12&24
		48	36-72	24&24	1.56&1.56	200&200	82%	MZF75-48D24&24
		48	36-72	12&12	4.17&4.17	120&120	83%	MZF100-48D12&12
		48	36-72	12&24	4.17&2	120&200	82%	MZF100-48D12&24
		48	36-72	24&24	2&2	200&200	83%	MZF100-48D24&24
		48	36-72	05&12	10&8.33	50&120	82%	MZF150-48D05&12
		48	36-72	12&12	6.25&6.25	120&120	83%	MZF150-48D12&12
		48	36-72	12&24	6.25&3.13	120&200	82%	MZF150-48D12&24
		48	36-72	24&24	3.13&3.13	200&200	83%	MZF150-48D24&24
		110	66-160	12&12	4.17&4.17	120&120	82%	MZF100-110D12&12
		110	66-160	24&24	2&2	200&200	83%	MZF100-110D24&24
		110	66-160	12&12	6.25&6.25	120&120	82%	MZF150-110D12&12
		110	66-160	12&24	6.25&3.13	120&200	84%	MZF150-110D12&24
110		66-160	24&24	3.13&3.13	200&200	84%	MZF150-110D24&24	

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 MAG 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
220	176-264	05&05	7.5&7.5	30&30	80%	MAG-X75-220D05&05
220	176-264	05&05	7.5&7.5	50&50	80%	MAG75-220D05&05
220	176-264	05&12	7.5&3.13	30&30	80%	MAG-X75-220D05&12
220	176-264	05&12	7.5&3.13	50&120	80%	MAG75-220D05&12
220	176-264	05&24	7.5&1.56	30&30	80%	MAG-X75-220D05&24
220	176-264	05&24	7.5&1.56	50&200	80%	MAG75-220D05&24
220	176-264	12&13.8	3.13&2.72	120&120	82%	MAG75-220D12&13.8
220	176-264	12&24	3.13&1.56	120&200	82%	MAG75-220D12&24
220	176-264	12&48	3.13&0.78	120&300	83%	MAG75-220D12&48
220	176-264	13.8&24	2.72&1.56	120&200	82%	MAG75-220D13.8&24
220	176-264	13.8&48	2.72&0.78	120&300	82%	MAG75-220D13.8&48
220	176-264	24&24	1.56&1.56	200&200	83%	MAG75-220D24&24
220	176-264	24&48	1.56&0.78	200&300	82%	MAG75-220D24&48
220	176-264	48&48	0.78&0.78	300&300	82%	MAG75-220D48&48
220	176-264	05&05	10&10	50&50	80%	MAG100-220D05&05
220	176-264	05&12	10&4.17	50&120	80%	MAG100-220D05&12
220	176-264	05&24	10&2	50&200	80%	MAG100-220D05&24
220	176-264	05&13.8	10&3.62	50&120	80%	MAG100-220D05&13.8
220	176-264	05&48	10&1	50&300	80%	MAG100-220D05&48
220	176-264	12&12	4.17&4.17	120&120	83%	MAG100-220D12&12
220	176-264	12&13.8	4.17&3.62	120&120	82%	MAG100-220D12&13.8
220	176-264	12&24	4.17&2	120&200	82%	MAG100-220D12&24
220	176-264	12&48	4.17&1	120&300	83%	MAG100-220D12&48
220	176-264	13.8&24	3.62&2	120&200	82%	MAG100-220D13.8&24
220	176-264	13.8&48	3.62&1	120&300	82%	MAG100-220D13.8&48
220	176-264	24&24	2&2	200&200	83%	MAG100-220D24&24
220	176-264	24&48	2&1	200&300	82%	MAG100-220D24&48
220	176-264	48&48	1&1	300&300	82%	MAG100-220D48&48
220	176-264	05&13.8	15&5.43	50&120	80%	MAG150-220D05&13.8
220	176-264	05&48	15&1.56	50&300	80%	MAG150-220D05&48
220	176-264	12&12	6.25&6.25	120&120	83%	MAG150-220D12&12
220	176-264	12&13.8	6.25&5.43	120&120	82%	MAG150-220D12&13.8
220	176-264	12&24	6.25&3.13	120&200	82%	MAG150-220D12&24
220	176-264	12&48	6.25&1.56	120&300	83%	MAG150-220D12&48
220	176-264	13.8&24	5.43&3.13	120&200	82%	MAG150-220D13.8&24
220	176-264	13.8&48	5.43&1.56	120&300	82%	MAG150-220D13.8&48
220	176-264	24&24	3.13&3.13	200&200	83%	MAG150-220D24&24
220	176-264	24&48	3.13&1.56	200&300	82%	MAG150-220D24&48
220	176-264	48&48	1.56&1.56	300&300	82%	MAG150-220D48&48
220	176-264	±12,+05	2.5/2.5/3	120/120/50	82%	MAG75-220T12+05
220	176-264	±05,+12	3.5/3.5/3.33	50/50/120	84%	MAG75-220T05+12
220	176-264	±12,+05	3.33/3.33/4	120/120/50	83%	MAG100-220T12+05
220	176-264	±05,+12	4/4/5	50/50/120	83%	MAG100-220T05+12
220	176-264	±05,+24	3/3/2.92	50/50/200	84%	MAG100-220T05+24
220	176-264	±12,+24	2.5/2.5/1.67	120/120/200	84%	MAG100-220T12+24
220	176-264	±12,+05	4.17/4.17/4	120/120/50	83%	MAG120-220T12+05
220	176-264	±05,+12	6/6/5	50/50/120	83%	MAG120-220T05+12
220	176-264	±05,+24	4/4/3.33	50/50/200	84%	MAG120-220T05+24
220	176-264	±12,+24	2.5/2.5/2.5	120/120/200	84%	MAG120-220T12+24
220	176-264	±05,+12	6/6/7.5	50/50/120	83%	MAG150-220T05+12
220	176-264	±12,+05	5/5/6	120/120/50	83%	MAG150-220T12+05
220	176-264	±05,+24	5/5/4.17	50/50/200	84%	MAG150-220T05+24
220	176-264	±12,+24	3.33/3.33/2.92	120/120/200	84%	MAG150-220T12+24

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.

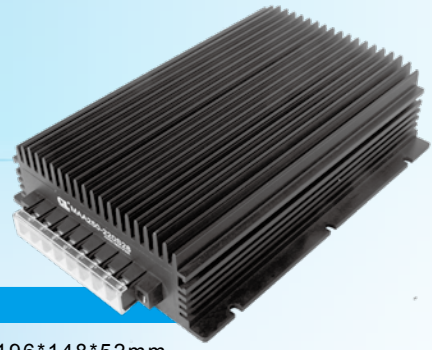
DC/DC MZC 系列

铁路机车专用电源

AC/DC MAA 系列

内置功率因数校正电路

150-300W



物理特性

结构尺寸: 196*148*52mm
重量: MZC:1.8Kg MAA:1.8Kg

特性

Features

- 适用于机车及通信设备 Application for railway and communication
- 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
- 整体散热防辐射设计 Attractive outline and anti-radiation design
- 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

MZC 输入特性

MZC Input Characteristics

电压范围: (Voltage Range)	DC-DC 12V _{DC} (Normal)	9-18V _{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}
	600V _{DC} (Normal)	400-800V _{DC}

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

MAA 输入特性

MAA 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
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)	1.01°C/W
0.5M/S	0.84°C/W
1M/S	0.62°C/W
1.5M/S	0.47°C/W
2M/S	0.39°C/W

DC/DC MZC 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
单路	12	9-18	12	12.5	30	82%	MZC-X150-12S12
	12	9-18	12	12.5	120	82%	MZC150-12S12
	12	9-18	15	10	150	82%	MZC150-12S15
	12	9-18	24	6.25	30	83%	MZC-X150-12S24
	12	9-18	48	3.13	300	85%	MZC150-12S48
	24	18-36	12	16.67	30	82%	MZC-X200-24S12
	24	18-36	12	16.67	120	82%	MZC200-24S12
	24	18-36	15	13.33	150	82%	MZC200-24S15
	24	18-36	24	8.33	200	83%	MZC200-24S24
	24	18-36	48	4.17	300	85%	MZC200-24S48
	48	36-72	12	20.83	30	82%	MZC-X250-48S12
	48	36-72	13.8	18.12	120	82%	MZC250-48S13.8
	48	36-72	15	16.67	150	82%	MZC250-48S15
	48	36-72	24	10.42	200	83%	MZC250-48S24
	48	36-72	48	5.21	300	85%	MZC250-48S48
	48	36-72	24	12.50	200	85%	MZC300-48S24
	48	36-72	48	6.25	300	85%	MZC300-48S48
	110	66-160	12	25	30	82%	MZC-X300-110S12
	110	66-160	13.8	22	120	82%	MZC300-110S13.8
	300	200-400	15	20	150	82%	MZC300-300S15
300	200-400	24	12.5	200	83%	MZC300-300S24	
600	400-800	48	6.25	300	85%	MZC300-600S48	
双路	12	9-18	05&05	15&15	30&30	82%	MZC-X150-12D05&05
	12	9-18	05&05	15&15	50&50	82%	MZC150-12D05&05
	12	9-18	05&12	15&6.25	30&30	83%	MZC-X150-12D05&12
	12	9-18	05&12	15&6.25	50&120	83%	MZC150-12D05&12
	12	9-18	24&24	3.13&3.13	200&200	83%	MZC150-12D24&24
	12	9-18	24&48	3.13&1.6	200&300	84%	MZC150-12D24&48
	12	9-18	48&48	1.6&1.6	300&300	84%	MZC150-12D48&48
	24	18-36	05&05	20&20	50&50	82%	MZC200-24D05&05
	24	18-36	05&12	20&8.3	50&120	83%	MZC200-24D05&12
	24	18-36	12&12	8.3&8.3	120&120	83%	MZC200-24D12&12
	24	18-36	12&24	8.3&4.2	120&200	83%	MZC200-24D12&24
	24	18-36	24&24	4.2&4.2	200&200	83%	MZC200-24D24&24
	24	18-36	24&48	4.2&2	200&300	84%	MZC200-24D24&48
	24	18-36	48&48	2&2	300&300	84%	MZC200-24D48&48
	48	36-72	05&12	10&16.67	50&120	83%	MZC250-48D05&12
	48	36-72	12&12	10.4&10.4	120&120	83%	MZC250-48D12&12
	48	36-72	12&24	8.33&6.25	120&200	83%	MZC250-48D12&24
	48	36-72	24&24	5.2&5.2	200&200	83%	MZC250-48D24&24
	48	36-72	24&48	4.17&3.13	200&300	84%	MZC250-48D24&48
	48	36-72	48&48	2.6&2.6	300&300	84%	MZC250-48D48&48
110	66-160	05&12	20&16.67	50&120	83%	MZC300-110D05&12	
110	66-160	12&12	12.5&12.5	120&120	83%	MZC300-110D12&12	
300	200-400	12&24	8.33&8.33	120&200	83%	MZC300-300D12&24	
300	200-400	24&24	6.25&6.25	200&200	83%	MZC300-300D24&24	
600	400-800	24&48	4.17&4.17	200&300	84%	MZC300-600D24&48	
600	400-800	48&48	3.13&3.13	300&300	84%	MZC300-600D48&48	
三路	12	9-18	12&28&50	5&2&0.6	120&300&300	80%	MZC150-12T12&28&50
	24	18-36	22&12&05	6&10&5	200&120&50	83%	MZC300-24T22&12&05
	48	36-72	24&12&12	5&10&5	200&120&120	83%	MZC300-48T24&12&12
	110	66-160	24&24&12	5&5&5	200&200&120	83%	MZC300-110T24&24&12
	300	200-400	24&24&24	5&5&2.5	200&200&200	83%	MZC300-300T24&24&24

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	12.5	30	82%	MAA-X150-220S12
	220	176-264	12	12.5	120	82%	MAA150-220S12
	220	176-264	13.8	10.87	30	82%	MAA-X150-220S13.8
	220	176-264	13.8	10.87	130	82%	MAA150-220S13.8
	220	176-264	24	6.25	200	83%	MAA150-220S24
	220	176-264	12	16.67	30	82%	MAA-X200-220S12
	220	176-264	12	16.67	120	82%	MAA200-220S12
	220	176-264	15	13.33	150	82%	MAA200-220S15
	220	176-264	24	8.33	200	83%	MAA200-220S24
	220	176-264	48	4.17	300	85%	MAA200-220S48
路	220	176-264	12	20.83	120	82%	MAA250-220S12
	220	176-264	13.8	18.12	120	82%	MAA250-220S13.8
	220	176-264	15	16.67	150	82%	MAA250-220S15
	220	176-264	24	10.42	30	83%	MAA-X250-220S24
	220	176-264	48	5.21	300	85%	MAA250-220S48
	220	176-264	12	25	30	82%	MAA-X300-220S12
	220	176-264	13.8	22	120	82%	MAA300-220S13.8
	220	176-264	15	20	150	82%	MAA300-220S15
	220	176-264	24	12.5	200	83%	MAA300-220S24
	220	176-264	48	6.25	300	85%	MAA300-220S48
双	220	176-264	05&05	15&15	30&30	82%	MAA-X150-220D05&05
	220	176-264	05&05	15&15	50&50	82%	MAA150-220D05&05
	220	176-264	05&12	15&6.25	30&30	83%	MAA-X150-220D05&12
	220	176-264	05&12	15&6.25	50&120	83%	MAA150-220D05&12
	220	176-264	24&24	3.13&3.13	200&200	83%	MAA150-220D24&24
	220	176-264	24&48	3.13&1.6	200&300	84%	MAA150-220D24&48
	220	176-264	48&48	1.6&1.6	300&300	84%	MAA150-220D48&48
	220	176-264	05&05	20&20	50&50	82%	MAA200-220D05&05
	220	176-264	05&12	20&8.3	30&30	83%	MAA-X200-220D05&12
	220	176-264	05&12	20&8.3	50&120	83%	MAA200-220D05&12
路	220	176-264	12&24	8.3&4.2	120&200	83%	MAA200-220D12&24
	220	176-264	24&24	4.2&4.2	200&200	83%	MAA200-220D24&24
	220	176-264	24&48	4.2&2	200&300	84%	MAA200-220D24&48
	220	176-264	48&48	2&2	300&300	84%	MAA200-220D48&48
	220	176-264	05&12	10&16.67	30&30	83%	MAA-X250-220D05&12
	220	176-264	12&12	10.4&10.4	120&120	83%	MAA250-220D12&12
	220	176-264	12&24	8.33&6.25	120&200	83%	MAA250-220D12&24
	220	176-264	24&24	6.25&6.25	200&200	83%	MAA250-220D24&24
	220	176-264	24&48	4.17&3.13	200&300	84%	MAA250-220D24&48
	220	176-264	48&48	2.6&2.6	300&300	84%	MAA250-220D48&48
三	220	176-264	05&12	20&16.67	50&120	83%	MAA300-220D05&12
	220	176-264	12&12	12.5&12.5	120&120	83%	MAA300-220D12&12
	220	176-264	12&24	8.33&8.33	120&200	83%	MAA300-220D12&24
	220	176-264	24&24	6.25&6.25	200&200	83%	MAA300-220D24&24
	220	176-264	24&48	4.17&4.17	200&300	84%	MAA300-220D24&48
	220	176-264	48&48	3.13&3.13	300&300	84%	MAA300-220D48&48
	220	176-264	12&28&50	5&2&0.6	120&300&500	80%	MAA150-220T12&28&50
	220	176-264	22&12&05	6&10&5	200&120&50	83%	MAA300-220T22&12&05
	220	176-264	24&12&12	5&10&5	200&120&120	83%	MAA300-220T24&12&12
	220	176-264	24&24&12	5&5&5	200&200&120	83%	MAA300-220T24&24&12
四	220	176-264	24&24&24	5&5&2.5	200&200&200	83%	MAA300-220T24&24&24
	220	176-264	36-36&48-48	3/3&0.3/0.3	300/300&300/300	83%	MAA250-220Q36-36&48-48
220	176-264	24-24&48-48	3.5/3.5&0.3/0.3	200/200&300/300	83%	MAA250-220Q24-24&48-48	

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.

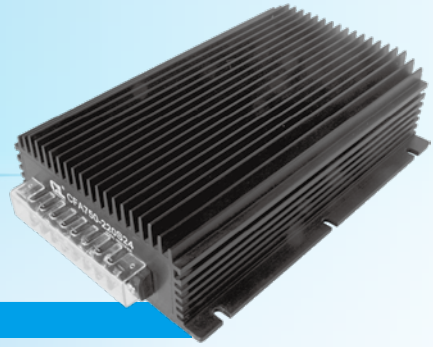
DC/DC CUZ 系列

最高输入 1400V_{DC}

AC/DC CFA 系列

内置功率因数校正电路

300-750W



物理特性

结构尺寸: 240*174*67mm
重量: CUZ:2.7Kg CFA:2.8Kg

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
- 整体散热反辐射设计 Attractive outline and anti-radiation design
- 全面通过电磁兼容测试,符合 EN55022(GB17626)、IEC61000-4(GB17626) Fully passed EMC test, comply with EN55022(GB17626)、IEC61000-4(GB17626)
- 符合 UL1950、IEC950 安全规程 Comply with UL1950, IEC950 safety regulations

CUZ 输入特性

CUZ Input Characteristics

电压范围: (Voltage Range)	DC-DC 12V _{DC} (Normal)	9-18V _{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}
	600V _{DC} (Normal)	400-800V _{DC}
	800V _{DC} (Normal)	600-1000V _{DC}

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

CFA 输入特性

CFA 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)	0.70°C/W
0.5M/S	0.58°C/W
1M/S	0.44°C/W
1.5M/S	0.32°C/W
2M/S	0.27°C/W

DC/DC CUZ 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	13.8	21.74	30	82%	CUZ-X300-12S13.8
12	9-18	13.8	21.74	120	82%	CUZ300-12S13.8
12	9-18	24	12.5	200	83%	CUZ300-12S24
12	9-18	13.8	28.99	30	82%	CUZ-X400-12S13.8
12	9-18	13.8	28.99	130	82%	CUZ400-12S13.8
12	9-18	48	8.33	300	83%	CUZ400-12S48
12	9-18	13.8	32.61	120	81%	CUZ450-12S13.8
12	9-18	24	18.75	200	82%	CUZ450-12S24
12	9-18	48	9.38	300	83%	CUZ450-12S48
24	18-36	13.8	21.74	120	82%	CUZ300-24S13.8
24	18-36	24	12.5	200	83%	CUZ300-24S24
24	18-36	48	6.25	300	84%	CUZ300-24S48
24	18-36	13.8	28.99	120	82%	CUZ400-24S13.8
24	18-36	24	16.67	200	83%	CUZ400-24S24
24	18-36	48	8.33	300	84%	CUZ400-24S48
24	18-36	13.8	36.23	120	82%	CUZ500-24S13.8
24	18-36	24	20.83	200	83%	CUZ500-24S24
24	18-36	48	10.42	300	84%	CUZ500-24S48
24	18-36	13.8	43.48	120	82%	CUZ600-24S13.8
24	18-36	24	25	200	83%	CUZ600-24S24
24	18-36	48	12.5	300	84%	CUZ600-24S48
24	18-36	24	29.17	200	83%	CUZ700-24S24
24	18-36	48	14.58	300	84%	CUZ700-24S48
24	18-36	24	31.25	200	83%	CUZ750-24S24
24	18-36	48	15.63	300	84%	CUZ750-24S48
48	36-72	24	12.5	200	83%	CUZ300-48S24
48	36-72	48	6.25	300	84%	CUZ300-48S48
48	36-72	24	16.67	200	83%	CUZ400-48S24
48	36-72	48	8.33	300	84%	CUZ400-48S48
48	36-72	24	20.83	200	83%	CUZ500-48S24
48	36-72	48	10.42	300	84%	CUZ500-48S48
48	36-72	24	25	200	83%	CUZ600-48S24
48	36-72	48	12.5	300	84%	CUZ600-48S48
48	36-72	24	31.25	200	83%	CUZ750-48S24
48	36-72	48	15.63	300	84%	CUZ750-48S48
110	66-160	24	20.83	200	83%	CUZ500-110S24
110	66-160	48	10.42	300	84%	CUZ500-110S48
300	200-400	24	16.67	200	83%	CUZ400-300S24
300	200-400	48	8.33	300	84%	CUZ400-300S48
300	200-400	24	20.83	200	84%	CUZ500-300S24
300	200-400	48	10.42	300	85%	CUZ500-300S48
300	200-400	24	22.92	200	84%	CUZ550-300S24
300	200-400	48	11.46	300	85%	CUZ550-300S48
600	400-800	24	12.5	200	84%	CUZ300-600S24
600	400-800	24	16.67	200	85%	CUZ400-600S24
600	400-800	24	20.83	200	85%	CUZ500-600S24
800	600-1000	48	10.42	300	85%	CUZ500-800S48
24	18-36	24&24	6.25&6.25	200&200	84%	CUZ300-24D24&24
48	36-72	24&24	15.63&15.63	200&200	84%	CUZ750-48D24&24
110	66-160	12&24	12.5&8.33	120&200	83%	CUZ350-110D12&24
300	200-400	24&24	8.33&8.33	200&200	84%	CUZ400-300D24&24
600	400-800	24&24	8.33&8.33	200&200	84%	CUZ400-600D24&24
600	400-800	24&24	15.63&15.63	200&200	84%	CUZ750-600D24&24

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。

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AC/DC CFA 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
220	176-264	12	41.67	30	82%	CFA-X500-220S12
220	176-264	12	41.67	120	82%	CFA500-220S12
220	176-264	15	33.33	150	82%	CFA500-220S15
220	176-264	24	20.83	200	83%	CFA500-220S24
220	176-264	28	17.86	300	83%	CFA500-220S28
220	176-264	48	10.42	300	84%	CFA500-220S48
220	176-264	12	45.83	30	82%	CFA-X550-220S12
220	176-264	12	45.83	120	82%	CFA550-220S12
220	176-264	15	36.67	150	82%	CFA550-220S15
220	176-264	24	22.92	200	83%	CFA550-220S24
220	176-264	28	19.64	300	83%	CFA550-220S28
220	176-264	48	11.46	300	85%	CFA550-220S48
220	176-264	12	50	30	82%	CFA-X600-220S12
220	176-264	12	50	120	82%	CFA600-220S12
220	176-264	15	40	150	82%	CFA600-220S15
220	176-264	24	25	200	83%	CFA600-220S24
220	176-264	28	21.43	300	84%	CFA600-220S28
220	176-264	48	12.5	300	85%	CFA600-220S48
220	176-264	12	54.17	120	82%	CFA650-220S12
220	176-264	13.8	47.1	120	82%	CFA650-220S13.8
220	176-264	15	43.33	150	82%	CFA650-220S15
220	176-264	24	27.08	200	83%	CFA650-220S24
220	176-264	28	23.21	300	84%	CFA650-220S28
220	176-264	48	13.54	300	85%	CFA650-220S48
220	176-264	12	58.33	120	82%	CFA700-220S12
220	176-264	13.8	50.72	120	82%	CFA700-220S13.8
220	176-264	15	46.67	150	82%	CFA700-220S15
220	176-264	24	29.17	200	83%	CFA700-220S24
220	176-264	28	25	300	84%	CFA700-220S28
220	176-264	48	14.58	300	85%	CFA700-220S48
220	176-264	12	62.50	120	82%	CFA750-220S12
220	176-264	13.8	54.35	120	82%	CFA750-220S13.8
220	176-264	15	50	150	82%	CFA750-220S15
220	176-264	24	31.25	200	83%	CFA750-220S24
220	176-264	28	26.79	300	83%	CFA750-220S28
220	176-264	48	15.63	300	84%	CFA750-220S48
220	176-264	±12	20.83/20.83	120/120	83%	CFA500-220D12
220	176-264	±24	10.42/10.42	200/200	84%	CFA500-220D24
220	176-264	12&24	16.67&12.5	120&200	83%	CFA500-220D12&24
220	176-264	24&48	6.25&7.29	200&300	85%	CFA500-220D24&48
220	176-264	±12	22.92/22.92	120/120	82%	CFA550-220D12
220	176-264	±24	11.46/11.46	200/200	83%	CFA550-220D24
220	176-264	12&24	16.67&14.58	120&200	83%	CFA550-220D12&24
220	176-264	24&48	10.42&6.25	200&300	85%	CFA550-220D24&48
220	176-264	±12	25/25	120/120	82%	CFA600-220D12
220	176-264	±13.8	21.74/21.74	120/120	82%	CFA600-220D13.8
220	176-264	12&24	16.67&16.67	120&200	83%	CFA600-220D12&24
220	176-264	24&48	8.33&8.33	200&300	85%	CFA600-220D24&48
220	176-264	±12	29.17/29.17	120/120	82%	CFA700-220D12
220	176-264	±24	14.58/14.58	200/200	84%	CFA700-220D24
220	176-264	24&48	12.5&8.33	200&300	85%	CFA700-220D24&48

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.

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

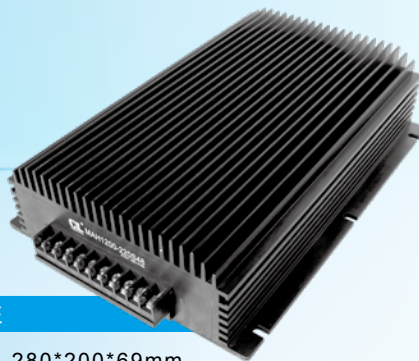
DC/DC MZH 系列

最高输入 1400V_{DC}

AC/DC MAH 系列

多路输出电源 (定制)

750-1200W



物理特性

结构尺寸: 280*200*69mm
重量: MZH:4.2Kg MAH:4.6Kg

特性

Features

- 高可靠性, 长寿命设计
- 整体散热防辐射设计
- 输入宽频噪声滤波器
- 输入浪涌抑制电路
- 符合 UL1950、IEC950 安全规程

Design for high reliability, long lifetime
Integrated design for heat diffusion
Wideband noise filter of input
Surge suppression circuit of input
Comply with UL1950, IEC950 safety regulations

MZH 输入特性

MZH Input Characteristics

电压范围: (Voltage Range)	DC-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}
	600V _{DC} (Normal) 400-800V _{DC}

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

MAH 输入特性

MAH Input Characteristics

电压范围: (Voltage Range)	AC-DC 220V _{AC} (Normal) 176-264V _{AC}
	380V _{AC} (Normal) 323-437V _{AC}

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)	0.56°C/W
0.5M/S	0.46°C/W
1M/S	0.38°C/W
1.5M/S	0.31°C/W
2M/S	0.25°C/W

DC/DC MZH 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
24	18-36	24	31.25	30	83%	MZH-X750-24S24
24	18-36	24	31.25	200	83%	MZH750-24S24
24	18-36	24	41.67	200	83%	MZH1000-24S24
24	18-36	48	20.83	300	83%	MZH1000-24S48
24	18-36	24	50	200	83%	MZH1200-24S24
24	18-36	48	25	300	83%	MZH1200-24S48
24	18-36	24	54.17	200	83%	MZH1300-24S24
24	18-36	48	27.08	300	83%	MZH1300-24S48
24	18-36	24	58.33	200	83%	MZH1400-24S24
24	18-36	48	29.17	300	83%	MZH1400-24S48
24	18-36	24	62.5	200	83%	MZH1500-24S24
24	18-36	48	31.25	300	83%	MZH1500-24S48
48	36-72	24	31.25	200	83%	MZH750-48S24
48	36-72	48	15.63	300	83%	MZH750-48S48
48	36-72	24	41.67	200	83%	MZH1000-48S24
48	36-72	48	20.83	300	83%	MZH1000-48S48
48	36-72	24	50	200	83%	MZH1200-48S24
48	36-72	48	25	300	83%	MZH1200-48S48
48	36-72	24	54.17	200	83%	MZH1300-48S24
48	36-72	48	27.08	300	83%	MZH1300-48S48
48	36-72	24	58.33	200	83%	MZH1400-48S24
48	36-72	48	29.17	300	83%	MZH1400-48S48
48	36-72	24	62.5	200	83%	MZH1500-48S24
48	36-72	48	31.25	300	83%	MZH1500-48S48
110	66-160	24	31.25	200	83%	MZH750-110S24
110	66-160	48	15.63	300	83%	MZH750-110S48
300	200-400	24	62.5	200	83%	MZH1500-300S24
300	200-400	48	31.25	300	83%	MZH1500-300S48
600	400-800	24	62.5	200	83%	MZH1500-600S24
600	400-800	48	31.25	300	83%	MZH1500-600S48
24	18-36	12&12	31.25&31.25	30&30	84%	MZH-X750-24D12&12
24	18-36	12&12	31.25&31.25	120&120	84%	MZH750-24D12&12
48	36-72	12&12	33.33&33.33	120&120	84%	MZH800-48D12&12
48	36-72	24&24	16.67&16.67	200&200	85%	MZH800-48D24&24
110	66-160	12&12	41.67&41.67	120&120	84%	MZH1000-110D12&12
110	66-160	24&24	20.83&20.83	200&200	85%	MZH1000-110D24&24
300	200-400	12&12	50&50	120&120	84%	MZH1200-300D12&12
300	200-400	24&24	25&25	200&200	85%	MZH1200-300D24&24
600	400-800	48&48	12.5&12.5	300&300	85%	MZH1200-600D48&48
24	18-36	12&12&12	20.83&20.83&20.83	30&30&30	83%	MZH-X750-24T12&12&12
24	18-36	12&12&12	20.83&20.83&20.83	120&120&120	83%	MZH750-24T12&12&12
24	18-36	12&12&12	22.22&22.22&22.22	120&120&120	83%	MZH800-24T12&12&12
24	18-36	12&12&24	16.67&16.67&16.67	120&120&200	83%	MZH800-24T12&12&24
24	18-36	12&12&24	20.83&20.83&20.83	120&120&200	83%	MZH1000-24T12&12&24
24	18-36	24&24&24	13.89&13.89&13.89	200&200&200	83%	MZH1000-24T24&24&24
24	18-36	24&24&48	10.42&10.42&10.42	200&200&300	84%	MZH1000-24T24&24&48
48	36-72	12&12&24	25&25&25	120&120&200	83%	MZH1200-48T12&12&24
48	36-72	24&24&24	16.67&16.67&16.67	200&200&200	83%	MZH1200-48T24&24&24
48	36-72	24&24&48	12.5&12.5&12.5	200&200&300	84%	MZH1200-48T24&24&48
48	36-72	48&48&24	8.33&8.33&16.67	300&300&200	84%	MZH1200-48T48&48&24
48	36-72	24&24&24	20.83&20.83&20.83	200&200&200	83%	MZH1500-48T24&24&24
48	36-72	24&24&48	15.63&15.63&15.63	200&200&300	84%	MZH1500-48T24&24&48
48	36-72	48&48&24	10.42&10.42&20.83	300&300&200	84%	MZH1500-48T48&48&24

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.

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AC/DC MAH 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	12	62.5	30	82%	MAH-X750-220S12	
	220	176-264	12	62.5	120	82%	MAH750-220S12	
	220	176-264	24	31.25	200	83%	MAH750-220S24	
	220	176-264	28	26.79	300	83%	MAH750-220S28	
	220	176-264	48	15.63	300	84%	MAH750-220S48	
	220	176-264	12	66.67	30	82%	MAH-X800-220S12	
	220	176-264	12	66.67	120	82%	MAH800-220S12	
	220	176-264	24	33.33	200	83%	MAH800-220S24	
	220	176-264	28	28.57	300	83%	MAH800-220S28	
	220	176-264	36	22.22	300	83%	MAH800-220S36	
	220	176-264	48	16.67	300	85%	MAH800-220S48	
	220	176-264	15	60	150	82%	MAH900-220S15	
	220	176-264	24	37.5	200	83%	MAH900-220S24	
	220	176-264	28	32.14	300	83%	MAH900-220S28	
	220	176-264	48	18.75	300	85%	MAH900-220S48	
	220	176-264	24	41.67	200	83%	MAH1000-220S24	
	220	176-264	28	35.71	300	83%	MAH1000-220S28	
	220	176-264	30	33.33	300	83%	MAH1000-220S30	
	220	176-264	36	27.77	300	83%	MAH1000-220S36	
	220	176-264	48	20.83	300	85%	MAH1000-220S48	
	220	176-264	24	45.83	200	83%	MAH1100-220S24	
	220	176-264	28	39.29	300	83%	MAH1100-220S28	
	220	176-264	36	30.55	300	83%	MAH1100-220S36	
	220	176-264	48	22.92	300	85%	MAH1100-220S48	
	220	176-264	24	50	200	83%	MAH1200-220S24	
	380	323-437	28	42.86	300	83%	MAH1200-380S28	
	380	323-437	36	33.33	300	83%	MAH1200-380S36	
	380	323-437	48	25	300	85%	MAH1200-380S48	
	双路	220	176-264	12&12	31.25&31.25	30&30	84%	MAH-X750-220D12&12
		220	176-264	12&12	31.25&31.25	120&120	84%	MAH750-220D12&12
		220	176-264	12&12	33.33&33.33	120&120	84%	MAH800-220D12&12
		220	176-264	24&24	16.67&16.67	200&200	85%	MAH800-220D24&24
		220	176-264	12&12	45.83&45.83	120&120	84%	MAH1000-220D12&12
220		176-264	24&24	20.83&20.83	200&200	85%	MAH1000-220D24&24	
220		176-264	12&12	41.67&41.67	120&120	84%	MAH1100-220D12&12	
220		176-264	24&24	22.92&22.92	200&200	85%	MAH1100-220D24&24	
220		176-264	12&12	50&50	120&120	84%	MAH1200-220D12&12	
220		176-264	24&24	25&25	200&200	85%	MAH1200-220D24&24	
220		176-264	48&48	12.5&12.5	300&300	85%	MAH1200-220D48&48	
三路		220	176-264	12&12&12	20.83&20.83&20.83	30&30&30	83%	MAH-X750-220T12&12&12
	220	176-264	12&12&12	20.83&20.83&20.83	120&120&120	83%	MAH750-220T12&12&12	
	220	176-264	12&12&12	22.22&22.22&22.22	120&120&120	83%	MAH800-220T12&12&12	
	220	176-264	12&12&24	16.67&16.67&16.67	120&120&200	83%	MAH800-220T12&12&24	
	220	176-264	12&12&24	20.83&20.83&20.83	120&120&200	83%	MAH1000-220T12&12&24	
	220	176-264	24&24&24	13.89&13.89&13.89	200&200&200	83%	MAH1000-220T24&24&24	
	220	176-264	24&24&48	10.42&10.42&10.42	200&200&300	84%	MAH1000-220T24&24&48	
	220	176-264	12&12&24	20.83&20.83&25	120&120&200	83%	MAH1100-220T12&12&24	
	220	176-264	24&24&24	15.28&15.28&15.28	200&200&200	83%	MAH1100-220T24&24&24	
	220	176-264	24&24&48	10.42&10.42&12.5	200&200&300	84%	MAH1100-220T24&24&48	
	220	176-264	12&12&24	25&25&25	120&120&200	83%	MAH1200-220T12&12&24	
	220	176-264	24&24&24	16.67&16.67&16.67	200&200&200	83%	MAH1200-220T24&24&24	
	220	176-264	24&24&48	12.5&12.5&12.5	200&200&300	84%	MAH1200-220T24&24&48	
	220	176-264	48&48&24	8.33&8.33&16.67	300&300&200	84%	MAH1200-220T48&48&24	

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.

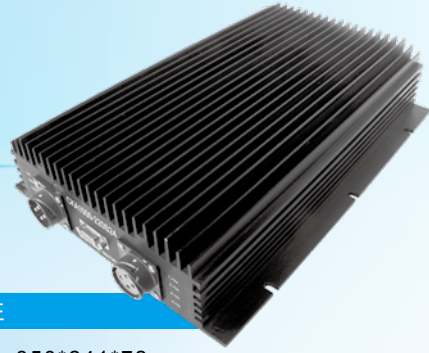
DC/DC CKZ 系列

军用电源

AC/DC CKA 系列

军用电源

750-1500W



物理特性

结构尺寸: 350*241*72mm
重量: CKZ:6.1Kg CKA:6.1Kg

特性

Features

- 高可靠性, 长寿命设计
- 整体散热防辐射设计
- 输入宽频噪声滤波器
- 输入浪涌抑制电路
- 符合 UL1950、IEC950 安全规程

Design for high reliability, long lifetime
Integrated design for heat diffusion
Wideband noise filter of input
Surge suppression circuit of input
Comply with UL1950, IEC950 safety regulations

CKZ 输入特性

CKZ Input Characteristics

电压范围: (Voltage Range)	DC-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}
	600V _{DC} (Normal)	400-800V _{DC}

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

CKA 输入特性

CKA 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)	0.40°C/W
0.5M/S	0.34°C/W
1M/S	0.25°C/W
1.5M/S	0.18°C/W
2M/S	0.15°C/W

DC/DC CKZ 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
24	18-36	15	50	30	83%	CKZ-X750-24S15
24	18-36	15	50	150	83%	CKZ750-24S15
24	18-36	24	31.25	30	83%	CKZ-X750-24S24
24	18-36	24	31.25	200	83%	CKZ750-24S24
24	18-36	24	41.67	200	83%	CKZ1000-24S24
24	18-36	28	35.71	300	83%	CKZ1000-24S28
24	18-36	48	20.83	300	85%	CKZ1000-24S48
24	18-36	24	45.83	200	83%	CKZ1100-24S24
24	18-36	28	39.29	300	83%	CKZ1100-24S28
24	18-36	48	22.92	300	85%	CKZ1100-24S48
24	18-36	24	50	200	83%	CKZ1200-24S24
24	18-36	28	42.86	300	83%	CKZ1200-24S28
24	18-36	48	25	300	85%	CKZ1200-24S48
24	18-36	24	54.17	200	83%	CKZ1300-24S24
24	18-36	28	46.43	300	83%	CKZ1300-24S28
24	18-36	48	27.08	300	85%	CKZ1300-24S48
24	18-36	24	58.33	200	83%	CKZ1400-24S24
24	18-36	28	50	300	83%	CKZ1400-24S28
24	18-36	48	29.17	300	85%	CKZ1400-24S48
24	18-36	28	53.57	300	83%	CKZ1500-24S28
24	18-36	48	31.25	300	85%	CKZ1500-24S48
48	36-72	24	41.67	200	83%	CKZ1000-48S24
48	36-72	28	35.71	300	83%	CKZ1000-48S28
48	36-72	48	20.83	300	85%	CKZ1000-48S48
48	36-72	24	45.83	200	83%	CKZ1100-48S24
48	36-72	28	39.29	300	83%	CKZ1100-48S28
48	36-72	48	22.92	300	85%	CKZ1100-48S48
48	36-72	24	50	200	83%	CKZ1200-48S24
48	36-72	28	42.86	300	83%	CKZ1200-48S28
48	36-72	48	25	300	85%	CKZ1200-48S48
48	36-72	24	54.17	200	83%	CKZ1300-48S24
48	36-72	28	46.43	300	83%	CKZ1300-48S28
48	36-72	48	27.08	300	85%	CKZ1300-48S48
48	36-72	28	50	300	83%	CKZ1400-48S28
48	36-72	48	29.17	300	85%	CKZ1400-48S48
48	36-72	28	53.57	300	83%	CKZ1500-48S28
48	36-72	48	31.25	300	85%	CKZ1500-48S48
110	66-160	24	31.25	200	84%	CKZ750-110S24
110	66-160	48	15.63	300	83%	CKZ750-110S48
110	66-160	24	41.67	200	84%	CKZ1000-110S24
110	66-160	48	20.83	300	85%	CKZ1000-110S48
110	66-160	48	25	300	83%	CKZ1200-110S48
110	66-160	24	62.5	200	83%	CKZ1500-110S24
110	66-160	48	31.25	300	84%	CKZ1500-110S48
300	200-400	24	41.67	200	85%	CKZ1000-300S24
300	200-400	48	20.83	300	84%	CKZ1000-300S48
600	400-800	24	41.67	200	85%	CKZ1000-600S24
600	400-800	48	20.83	300	85%	CKZ1000-600S48
24	18-36	05&24	40&33.33	50&200	84%	CKZ1000-24D05&24
48	36-72	24&24	15.63&15.63	200&200	83%	CKZ750-48D24&24
110	66-160	24&24	25&25	200&200	84%	CKZ1200-110D24&24
300	200-400	24&24	31.25&31.25	200&200	84%	CKZ1500-300D24&24
600	400-800	24&24	31.25&31.25	200&200	84%	CKZ1500-600D24&24

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 CKA 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
220	176-264	15	50	30	82%	CKA-X750-220S15
220	176-264	15	50	150	82%	CKA750-220S15
220	176-264	28	26.79	300	83%	CKA750-220S28
220	176-264	48	15.63	300	84%	CKA750-220S48
220	176-264	110	6.82	500	85%	CKA750-220S110
220	176-264	220	3.41	500	85%	CKA750-220S220
220	176-264	18	44.44	200	83%	CKA800-220S18
220	176-264	24	33.33	200	83%	CKA800-220S24
220	176-264	28	28.57	300	83%	CKA800-220S28
220	176-264	48	16.67	300	85%	CKA800-220S48
220	176-264	110	7.27	500	85%	CKA800-220S110
220	176-264	220	3.64	500	85%	CKA800-220S220
220	176-264	18	47.22	200	83%	CKA850-220S18
220	176-264	24	35.42	200	83%	CKA850-220S24
220	176-264	28	30.36	300	83%	CKA850-220S28
220	176-264	48	17.71	300	85%	CKA850-220S48
220	176-264	110	7.73	500	85%	CKA850-220S110
220	176-264	220	3.86	500	85%	CKA850-220S220
220	176-264	24	37.5	200	83%	CKA900-220S24
220	176-264	28	32.14	300	83%	CKA900-220S28
220	176-264	48	18.75	300	85%	CKA900-220S48
220	176-264	110	8.18	500	85%	CKA900-220S110
220	176-264	220	4.09	500	85%	CKA900-220S220
220	176-264	24	39.58	200	83%	CKA950-220S24
220	176-264	28	33.93	300	83%	CKA950-220S28
220	176-264	48	19.79	300	85%	CKA950-220S48
220	176-264	110	8.64	500	85%	CKA950-220S110
220	176-264	220	4.32	500	85%	CKA950-220S220
220	176-264	24	41.67	200	83%	CKA1000-220S24
220	176-264	28	35.71	300	83%	CKA1000-220S28
220	176-264	48	20.83	300	85%	CKA1000-220S48
220	176-264	110	9.09	500	85%	CKA1000-220S110
220	176-264	220	4.55	500	85%	CKA1000-220S220
220	176-264	24	45.83	200	83%	CKA1100-220S24
220	176-264	28	39.29	300	83%	CKA1100-220S28
220	176-264	48	22.92	300	85%	CKA1100-220S48
220	176-264	110	10	500	85%	CKA1100-220S110
220	176-264	220	5	500	85%	CKA1100-220S220
220	176-264	24	50	200	83%	CKA1200-220S24
220	176-264	28	42.86	300	83%	CKA1200-220S28
220	176-264	48	25	300	85%	CKA1200-220S48
220	176-264	110	10.91	500	85%	CKA1200-220S110
220	176-264	220	5.45	500	85%	CKA1200-220S220
220	176-264	12&12	31.25&31.25	30&30	84%	CKA-X750-220D12&12
220	176-264	12&12	31.25&31.25	120&120	84%	CKA750-220D12&12
220	176-264	12&12	33.33&33.33	30&30	84%	CKA-X800-220D12&12
220	176-264	12&12	33.33&33.33	120&120	84%	CKA800-220D12&12
220	176-264	12&12	41.67&41.67	120&120	84%	CKA1000-220D12&12
220	176-264	24&24	20.83&20.83	200&200	85%	CKA1000-220D24&24
220	176-264	12&12	45.83&45.83	120&120	84%	CKA1100-220D12&12
220	176-264	24&24	22.92&22.92	200&200	85%	CKA1100-220D24&24
220	176-264	12&12	50&50	120&120	84%	CKA1200-220D12&12
220	176-264	24&24	25&25	200&200	85%	CKA1200-220D24&24

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.

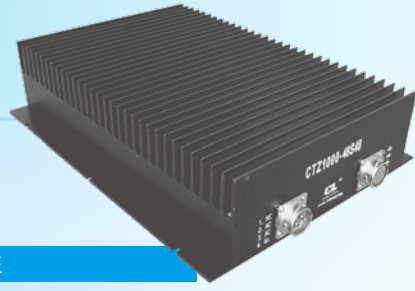
■ 说明：仅列出典型型号，其它型号请确定功率、输入电压及输出电压后，致电我公司。

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

DC/DC
大功率电源
AC/DC
大功率电源

CTZ 系列
CTA 系列

800-2000W



物理特性

结构尺寸: 400*310*94mm
重量: CTZ:15.4Kg CTA:15.4Kg

特性

Features

- 高可靠性, 长寿命设计
- 整体散热防辐射设计
- 输入宽频噪声滤波器
- 输入浪涌抑制电路
- 符合 UL1950、IEC950 安全规程

Design for high reliability, long lifetime
Integrated design for heat diffusion
Wideband noise filter of input
Surge suppression circuit of input
Comply with UL1950, IEC950 safety regulations

CTZ 输入特性

CTZ Input Characteristics

电压范围: (Voltage Range)	DC-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}
	600V _{DC} (Normal)	400-800V _{DC}
	800V _{DC} (Normal)	600-1000V _{DC}

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

CTA 输入特性

CTA Input Characteristics

电压范围: (Voltage Range)	AC-DC 220V _{AC} (Normal)	176-264V _{AC}
	380V _{AC} (Normal)	323-437V _{AC}

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)	200KHz
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)	0.20°C/W
0.5M/S	0.17°C/W
1M/S	0.13°C/W
1.5M/S	0.09°C/W
2M/S	0.07°C/W

DC/DC CTZ 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
单	24	18-36	12	66.67	30	82%	CTZ-X800-24S12
	24	18-36	12	66.67	120	82%	CTZ800-24S12
	24	18-36	24	50	200	83%	CTZ1200-24S24
	24	18-36	28	42.86	300	84%	CTZ1200-24S28
	24	18-36	24	62.5	200	83%	CTZ1500-24S24
	24	18-36	28	53.57	300	84%	CTZ1500-24S28
	24	18-36	48	31.25	300	84%	CTZ1500-24S48
	24	18-36	24	83.33	200	83%	CTZ2000-24S24
	24	18-36	48	41.67	300	84%	CTZ2000-24S48
	48	36-72	24	33.33	200	83%	CTZ800-48S24
	48	36-72	24	41.67	200	83%	CTZ1000-48S24
	48	36-72	24	50	200	83%	CTZ1200-48S24
	48	36-72	24	62.5	200	83%	CTZ1500-48S24
	48	36-72	24	83.33	200	83%	CTZ2000-48S24
	48	36-72	48	41.67	300	84%	CTZ2000-48S48
	110	66-160	24	33.33	200	83%	CTZ800-110S24
	110	66-160	24	41.67	200	83%	CTZ1000-110S24
	110	66-160	28	42.86	300	83%	CTZ1200-110S28
	110	66-160	24	62.5	200	83%	CTZ1500-110S24
	110	66-160	48	31.25	300	85%	CTZ1500-110S48
	110	66-160	24	83.33	200	83%	CTZ2000-110S24
	110	66-160	48	41.67	300	85%	CTZ2000-110S48
	300	200-400	24	33.33	200	83%	CTZ800-300S24
	300	200-400	24	41.67	200	83%	CTZ1000-300S24
	300	200-400	24	50	200	83%	CTZ1200-300S24
	300	200-400	24	62.5	200	83%	CTZ1500-300S24
	300	200-400	48	31.25	300	84%	CTZ1500-300S48
	300	200-400	24	83.33	200	83%	CTZ2000-300S24
	300	200-400	48	41.67	300	84%	CTZ2000-300S48
	600	400-800	24	33.33	200	83%	CTZ800-600S24
	600	400-800	24	41.67	200	83%	CTZ1000-600S24
	600	400-800	24	50	200	83%	CTZ1200-600S24
600	400-800	24	62.5	200	83%	CTZ1500-600S24	
600	400-800	48	31.25	300	84%	CTZ1500-600S48	
600	400-800	24	83.33	200	83%	CTZ2000-600S24	
600	400-800	48	41.67	300	84%	CTZ2000-600S48	
800	600-1000	24	33.33	200	83%	CTZ800-800S24	
800	600-1000	24	41.67	200	83%	CTZ1000-800S24	
800	600-1000	24	50	200	83%	CTZ1200-800S24	
800	600-1000	24	62.5	200	83%	CTZ1500-800S24	
800	600-1000	48	31.25	300	84%	CTZ1500-800S48	
800	600-1000	24	83.33	200	83%	CTZ2000-800S24	
800	600-1000	48	41.67	300	84%	CTZ2000-800S48	
双	24	18-36	24&24	16.67&16.67	200&200	83%	CTZ800-24D24&24
	48	36-72	48&48	8.33&8.33	300&300	84%	CTZ800-48D48&48
	24	18-36	24&24	20.83&20.83	200&200	83%	CTZ1000-24D24&24
	48	36-72	48&48	10.42&10.42	300&300	84%	CTZ1000-48D48&48
	110	66-160	24&24	25&25	200&200	83%	CTZ1200-110D24&24
	110	66-160	48&48	15.63&15.63	300&300	84%	CTZ1500-110D48&48
	300	200-400	24&24	25&25	200&200	83%	CTZ1200-300D24&24
	300	200-400	48&48	15.63&15.63	300&300	84%	CTZ1500-300D48&48
	600	400-800	24&24	25&25	200&200	83%	CTZ1200-600D24&24
	600	400-800	48&48	15.63&15.63	300&300	84%	CTZ1500-600D48&48

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.

DC/DC CTA 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	220	176-264	24	33.33	30	83%	CTA-X800-220S24	
	220	176-264	24	33.33	200	83%	CTA800-220S24	
	220	176-264	60	13.33	300	85%	CTA800-220S60	
	220	176-264	72	11.11	300	85%	CTA800-220S72	
	220	176-264	15	66.67	150	82%	CTA1000-220S15	
	220	176-264	24	41.67	200	83%	CTA1000-220S24	
	220	176-264	48	20.83	300	85%	CTA1000-220S48	
	220	176-264	60	16.67	300	85%	CTA1000-220S60	
	220	176-264	72	13.89	300	85%	CTA1000-220S72	
	220	176-264	24	50	200	83%	CTA1200-220S24	
	220	176-264	48	25	300	85%	CTA1200-220S48	
	220	176-264	60	20	300	85%	CTA1200-220S60	
	220	176-264	72	16.67	300	85%	CTA1200-220S72	
	路	220	176-264	48	27.08	300	85%	CTA1300-220S48
		220	176-264	60	21.67	300	85%	CTA1300-220S60
		220	176-264	72	18.06	300	85%	CTA1300-220S72
		220	176-264	110	11.82	500	85%	CTA1300-220S110
		220	176-264	48	31.25	300	85%	CTA1500-220S48
		220	176-264	60	25	300	85%	CTA1500-220S60
		220	176-264	72	20.83	300	85%	CTA1500-220S72
220		176-264	110	13.64	500	85%	CTA1500-220S110	
220		176-264	48	33.33	300	85%	CTA1600-220S48	
220		176-264	60	26.67	300	85%	CTA1600-220S60	
220		176-264	72	22.22	300	85%	CTA1600-220S72	
220		176-264	110	14.55	500	85%	CTA1600-220S110	
220		176-264	48	35.42	300	85%	CTA1700-220S48	
220		176-264	60	28.33	300	85%	CTA1700-220S60	
220		176-264	72	23.61	300	85%	CTA1700-220S72	
220		176-264	110	15.45	500	85%	CTA1700-220S110	
220		176-264	48	37.5	300	85%	CTA1800-220S48	
220		176-264	60	30	300	85%	CTA1800-220S60	
220		176-264	72	25	300	85%	CTA1800-220S72	
220		176-264	110	16.36	500	85%	CTA1800-220S110	
双	220	176-264	48	41.67	300	85%	CTA2000-220S48	
	380	323-437	60	33.33	300	85%	CTA2000-380S60	
	380	323-437	72	27.78	300	85%	CTA2000-380S72	
	380	323-437	110	18.18	500	85%	CTA2000-380S110	
	路	220	176-264	24&24	16.67&16.67	30&30	85%	CTA-X800-220D24&24
		220	176-264	24&24	16.67&16.67	200&200	85%	CTA800-220D24&24
		220	176-264	24&24	20.83&20.83	200&200	85%	CTA1000-220D24&24
		220	176-264	24&48	16.67&12.5	200&300	85%	CTA1000-220D24&48
		220	176-264	48&48	10.42&10.42	300&300	85%	CTA1000-220D48&48
		220	176-264	24&24	25&25	200&200	85%	CTA1200-220D24&24
		220	176-264	24&48	16.67&16.67	200&300	85%	CTA1200-220D24&48
		220	176-264	48&48	12.5&12.5	300&300	85%	CTA1200-220D48&48
220		176-264	24&24	31.25&31.25	200&200	85%	CTA1500-220D24&24	
220		176-264	24&48	20.83&20.83	200&300	85%	CTA1500-220D24&48	
220		176-264	48&48	15.63&15.63	300&300	85%	CTA1500-220D48&48	
220		176-264	24&24	37.5&37.5	200&200	85%	CTA1800-220D24&24	
220		176-264	24&48	25&25	200&300	85%	CTA1800-220D24&48	
220		176-264	48&48	18.75&18.75	300&300	85%	CTA1800-220D48&48	
220		176-264	24&24	41.67&41.67	200&200	85%	CTA2000-220D24&24	
220		176-264	24&48	25&29.17	200&300	85%	CTA2000-220D24&48	

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.

DC/DC MBZ 系列

全功率 4 路独立输出电源

AC/DC MBA 系列

交、直流同时输入，零秒切换

75-150W



物理特性

结构尺寸: 135*100*70mm
重量: MBZ:1.10Kg MBA:1.10Kg

特性

Features

- | | |
|-------------------------|--|
| ■ 宽电压输入范围 | Wide range of input voltage |
| ■ 安装方便 | Easy installation |
| ■ 输入宽频噪声滤波器 | Wideband noise filter of input |
| ■ 外型设计美观 | Attractive outline design |
| ■ 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 |

MBZ 输入特性

MBZ 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}

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

MBA 输入特性

MBA 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
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)	1.50°C /W
0.5M/S	1.12°C /W
1M/S	0.72°C /W
1.5M/S	0.51°C /W
2M/S	0.36°C /W

DC/DC MBZ 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	05&05&12&12	3&3&2&2	30&30&30&30	82%	MBZ-X80-12Q05&05&12&12
12	9-18	05&05&12&12	3&3&2&2	50&50&120&120	82%	MBZ80-12Q05&05&12&12
12	9-18	12&12&05&24	1.67&1.67&2&1.25	120&120&50&200	83%	MBZ80-12Q12&12&05&24
12	9-18	12&12&24&24	1.5&1.5&1&1	120&120&200&200	83%	MBZ80-12Q12&12&24&24
12	9-18	05&05&12&12	4&4&2.5&2.5	50&50&120&120	82%	MBZ100-12Q05&05&12&12
12	9-18	05&12&24&24	2&2.5&1.3&1.3	50&120&200&200	82%	MBZ100-12Q05&12&24&24
12	9-18	12&12&05&24	2&2&2&1.67	120&120&50&200	83%	MBZ100-12Q12&12&05&24
12	9-18	12&12&24&24	1.67&1.67&1.25&1.25	120&120&200&200	83%	MBZ100-12Q12&12&24&24
12	9-18	05&05&12&12	4&4&3.3&3.3	50&50&120&120	82%	MBZ120-12Q05&05&12&12
12	9-18	05&12&24&24	2&2.5&1.67&1.67	50&120&200&200	82%	MBZ120-12Q05&12&24&24
12	9-18	12&12&05&24	2.5&2.5&2&2	120&120&50&200	83%	MBZ120-12Q12&12&05&24
12	9-18	12&12&24&24	1.67&1.67&1.25&1.25	120&120&200&200	83%	MBZ120-12Q12&12&24&24
12	9-18	05&05&12&12	5&5&4.17&4.17	30&30&30&30	82%	MBZ-X150-12Q05&05&12&12
12	9-18	05&05&12&12	5&5&4.17&4.17	50&50&120&120	82%	MBZ150-12Q05&05&12&12
12	9-18	12&12&05&24	2.5&2.5&2&3.33	120&120&50&200	83%	MBZ150-12Q12&12&05&24
12	9-18	12&12&24&24	2&2&2&2	120&120&200&200	83%	MBZ150-12Q12&12&24&24
12	9-18	15&15&05&24	3&2&5&2	150&150&50&200	83%	MBZ150-12Q15&15&05&24
12	9-18	12&24&48&48	1.6&1&1&1	120&200&300&300	84%	MBZ150-12Q12&24&48&48
18	9-36	05&05&12&12	3&3&2&2	50&50&120&120	82%	MBZ80-18Q05&05&12&12
18	9-36	05&12&24&24	3&1.6&1&1	50&120&200&200	82%	MBZ80-18Q05&12&24&24
18	9-36	12&12&05&24	1.67&1.67&2&1.25	120&120&50&200	83%	MBZ80-18Q12&12&05&24
18	9-36	12&12&24&24	1.5&1.5&1&1	120&120&200&200	83%	MBZ80-18Q12&12&24&24
24	18-36	05&05&12&12	4&4&2.5&2.5	30&30&30&30	82%	MBZ-X100-24Q05&05&12&12
24	18-36	05&05&12&12	4&4&2.5&2.5	50&50&120&120	82%	MBZ100-24Q05&05&12&12
24	18-36	12&12&05&24	2&2&2&1.67	120&120&50&200	83%	MBZ100-24Q12&12&05&24
24	18-36	12&12&24&24	1.67&1.67&1.25&1.25	120&120&200&200	83%	MBZ100-24Q12&12&24&24
24	18-36	05&05&12&12	4&4&3.3&3.3	50&50&120&120	82%	MBZ120-24Q05&05&12&12
24	18-36	05&12&24&24	2&2.5&1.67&1.67	50&120&200&200	82%	MBZ120-24Q05&12&24&24
24	18-36	12&12&05&24	2.5&2.5&2&2	120&120&50&200	83%	MBZ120-24Q12&12&05&24
24	18-36	12&12&24&24	1.67&1.67&1.25&1.25	120&120&200&200	83%	MBZ120-24Q12&12&24&24
24	18-36	05&05&12&12	5&5&4.17&4.17	50&50&120&120	82%	MBZ150-24Q05&05&12&12
24	18-36	05&12&24&24	3&2.92&2&2	50&120&200&200	82%	MBZ150-24Q05&12&24&24
24	18-36	12&12&05&24	2.5&2.5&2&3.33	120&120&50&200	83%	MBZ150-24Q12&12&05&24
24	18-36	12&12&24&24	2&2&2&2	120&120&200&200	83%	MBZ150-24Q12&12&24&24
24	18-36	15&15&05&24	3&2&5&2	150&150&50&200	83%	MBZ150-24Q15&15&05&24
24	18-36	12&24&48&48	1.6&1&1&1	120&200&300&300	84%	MBZ150-24Q12&24&48&48
48	36-72	05&05&12&12	3&3&2&2	50&50&120&120	82%	MBZ80-48Q05&05&12&12
48	36-72	05&12&24&24	3&1.6&1&1	50&120&200&200	82%	MBZ80-48Q05&12&24&24
48	36-72	12&12&05&24	1.67&1.67&2&1.25	120&120&50&200	83%	MBZ80-48Q12&12&05&24
48	36-72	12&12&24&24	1.5&1.5&1&1	120&120&200&200	83%	MBZ80-48Q12&12&24&24
48	36-72	05&05&12&12	4&4&2.5&2.5	50&50&120&120	82%	MBZ100-48Q05&05&12&12
48	36-72	05&12&24&24	2&2.5&1.3&1.3	50&120&200&200	82%	MBZ100-48Q05&12&24&24
48	36-72	12&12&05&24	2&2&2&1.67	120&120&50&200	83%	MBZ100-48Q12&12&05&24
48	36-72	12&12&24&24	1.67&1.67&1.25&1.25	120&120&200&200	83%	MBZ100-48Q12&12&24&24
48	36-72	05&05&12&12	4&4&3.3&3.3	50&50&120&120	82%	MBZ120-48Q05&05&12&12
48	36-72	05&12&24&24	2&2.5&1.67&1.67	50&120&200&200	82%	MBZ120-48Q05&12&24&24
48	36-72	12&12&05&24	2.5&2.5&2&2	120&120&50&200	83%	MBZ120-48Q12&12&05&24
48	36-72	12&12&24&24	1.67&1.67&1.25&1.25	120&120&200&200	83%	MBZ120-48Q12&12&24&24
48	36-72	05&12&24&24	3&2.92&2&2	50&120&200&200	82%	MBZ150-48Q05&12&24&24
48	36-72	12&12&05&24	2.5&2.5&2&3.33	120&120&50&200	83%	MBZ150-48Q12&12&05&24
48	36-72	12&12&24&24	2&2&2&2	120&120&200&200	83%	MBZ150-48Q12&12&24&24
48	36-72	15&15&05&24	3&2&5&2	150&150&50&200	83%	MBZ150-48Q15&15&05&24
48	36-72	12&24&48&48	1.6&1&1&1	120&200&300&300	84%	MBZ150-48Q12&24&48&48

四路

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
220	176-264	05&05&12&12	3&3&2&2	30&30&30&30	82%	MBA-X80-220Q05&05&12&12
220	176-264	05&05&12&12	3&3&2&2	50&50&120&120	82%	MBA80-220Q05&05&12&12
220	176-264	12&12&05&24	1.67&1.67&2&1.25	120&120&50&200	83%	MBA80-220Q12&12&05&24
220	176-264	12&12&24&24	1.5&1.5&1&1	120&120&200&200	83%	MBA80-220Q12&12&24&24
220	176-264	05&05&12&12	4&4&2.5&2.5	30&30&30&30	82%	MBA-X100-220Q05&05&12&12
220	176-264	05&05&12&12	4&4&2.5&2.5	50&50&120&120	82%	MBA100-220Q05&05&12&12
220	176-264	12&12&05&24	2&2&2&1.67	120&120&50&200	83%	MBA100-220Q12&12&05&24
220	176-264	12&12&24&24	1.67&1.67&1.25&1.25	120&120&200&200	83%	MBA100-220Q12&12&24&24
220	176-264	05&05&12&12	4&4&3.3&3.3	50&50&120&120	82%	MBA120-220Q05&05&12&12
220	176-264	05&12&24&24	2&2.5&1.67&1.67	50&120&200&200	82%	MBA120-220Q05&12&24&24
220	176-264	12&12&05&24	2.5&2.5&2&2	120&120&50&200	83%	MBA120-220Q12&12&05&24
220	176-264	12&12&24&24	1.67&1.67&1.25&1.25	120&120&200&200	83%	MBA120-220Q12&12&24&24
220	176-264	05&05&12&12	5&5&4.17&4.17	50&50&120&120	82%	MBA150-220Q05&05&12&12
220	176-264	05&12&24&24	3&2.92&2&2	50&120&200&200	82%	MBA150-220Q05&12&24&24
220	176-264	12&12&05&24	2.5&2.5&2&3.33	120&120&50&200	83%	MBA150-220Q12&12&05&24
220	176-264	12&12&24&24	2&2&2&2	120&120&200&200	83%	MBA150-220Q12&12&24&24
220	176-264	15&15&05&24	3&2&5&2	150&150&50&200	83%	MBA150-220Q15&15&05&24
220	176-264	12&24&48&48	1.6&1&1&1	120&200&300&300	84%	MBA150-220Q12&24&48&48
220/12	176-264, 9-18	05&12	4&4.58	50&120	82%	MBA75-220/12D05&12
220/12	176-264, 9-18	05&24	2&2.71	50&200	82%	MBA75-220/12D05&24
220/12	176-264, 9-18	12&12	3.13&3.13	120&120	82%	MBA75-220/12D12&12
220/12	176-264, 9-18	05&12	6&5.83	50&120	82%	MBA100-220/12D05&12
220/12	176-264, 9-18	05&24	4&3.33	50&200	82%	MBA100-220/12D05&24
220/12	176-264, 9-18	12&12	3&5.3	120&120	82%	MBA100-220/12D12&12
220/12	176-264, 9-18	05&12	4&8.33	50&120	82%	MBA120-220/12D05&12
220/12	176-264, 9-18	05&24	4&4.17	50&200	82%	MBA120-220/12D05&24
220/12	176-264, 9-18	12&12	3&7	120&120	82%	MBA120-220/12D12&12
220/12	176-264, 9-18	05&12	5&10	50&120	82%	MBA150-220/12D05&12
220/12	176-264, 9-18	05&24	5&5	50&200	82%	MBA150-220/12D05&24
220/12	176-264, 9-18	12&12	3&9.5	120&120	82%	MBA150-220/12D12&12
220/24	176-264, 18-36	05&12	4&4.58	50&120	82%	MBA75-220/24D05&12
220/24	176-264, 18-36	05&24	2&2.71	50&200	82%	MBA75-220/24D05&24
220/24	176-264, 18-36	12&12	3.13&3.13	120&120	82%	MBA75-220/24D12&12
220/24	176-264, 18-36	05&12	4&6.67	50&120	82%	MBA100-220/24D05&12
220/24	176-264, 18-36	05&24	4&3.33	50&200	82%	MBA100-220/24D05&24
220/24	176-264, 18-36	12&12	3&5.3	120&120	82%	MBA100-220/24D12&12
220/24	176-264, 18-36	05&12	4&8.33	50&120	82%	MBA120-220/24D05&12
220/24	176-264, 18-36	05&24	4&4.17	50&200	82%	MBA120-220/24D05&24
220/24	176-264, 18-36	12&12	3&7	120&120	82%	MBA120-220/24D12&12
220/24	176-264, 18-36	05&12	5&10	50&120	82%	MBA150-220/24D05&12
220/24	176-264, 18-36	05&24	5&5	50&200	82%	MBA150-220/24D05&24
220/24	176-264, 18-36	12&12	3&9.5	120&120	82%	MBA150-220/24D12&12
220/48	176-264, 36-72	05&12	4&4.58	50&120	82%	MBA75-220/48D05&12
220/48	176-264, 36-72	05&24	2&2.71	50&200	82%	MBA75-220/48D05&24
220/48	176-264, 36-72	12&12	3.13&3.13	120&120	82%	MBA75-220/48D12&12
220/48	176-264, 36-72	05&12	4&6.67	50&120	82%	MBA100-220/48D05&12
220/48	176-264, 36-72	05&24	4&3.33	50&200	82%	MBA100-220/48D05&24
220/48	176-264, 36-72	12&12	3&5.3	120&120	82%	MBA100-220/48D12&12
220/48	176-264, 36-72	05&12	4&8.33	50&120	82%	MBA120-220/48D05&12
220/48	176-264, 36-72	05&24	4&4.17	50&200	82%	MBA120-220/48D05&24
220/48	176-264, 36-72	12&12	3&7	120&120	82%	MBA120-220/48D12&12
220/48	176-264, 36-72	05&12	5&10	50&120	82%	MBA150-220/48D05&12
220/48	176-264, 36-72	05&24	5&5	50&200	82%	MBA150-220/48D05&24

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.

DC/DC MCZ 系列

全功率 4 路独立输出电源

AC/DC MCA 系列

交、直流同时输入，零秒切换

150-300W



物理特性

结构尺寸: 220*160*107mm
重量: 2.50Kg

特性

Features

- 宽电压输入范围 Wide range of input voltage
- 安装方便 Easy installation
- 输入宽频噪声滤波器 Wideband noise filter of input
- 外型设计美观 Attractive outline design
- 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

MCZ 输入特性

MCZ 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}

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

MCA 输入特性

MCA 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
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)	0.50 °C / W
0.5M/S	0.36 °C / W
1M/S	0.24 °C / W
1.5M/S	0.20 °C / W
2M/S	0.18 °C / W

DC/DC MCZ 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	05&05&12&12	5&5&4.17&4.17	30&30&30&30	82%	MCZ-X150-12Q05&05&12&12
12	9-18	05&05&12&12	5&5&4.17&4.17	50&50&120&120	82%	MCZ150-12Q05&05&12&12
12	9-18	12&12&05&24	3&3&7.5&1.6	120&120&50&200	83%	MCZ150-12Q12&12&05&24
12	9-18	12&12&24&24	2.92&2.92&1.67&1.67	120&120&200&200	83%	MCZ150-12Q12&12&24&24
12	9-18	05&05&12&12	6&6&5.83&5.83	30&30&30&30	82%	MCZ-X200-12Q05&05&12&12
12	9-18	05&05&12&12	6&6&5.83&5.83	50&50&120&120	82%	MCZ200-12Q05&05&12&12
12	9-18	12&12&05&24	4.17&4.17&4&3.33	120&120&50&200	83%	MCZ200-12Q12&12&05&24
12	9-18	12&12&24&24	3.33&3.33&2.5&2.5	120&120&200&200	83%	MCZ200-12Q12&12&24&24
12	9-18	05&05&12&12	6&6&7.92&7.92	30&30&30&30	82%	MCZ-X250-12Q05&05&12&12
12	9-18	05&05&12&12	6&6&7.92&7.92	50&50&120&120	82%	MCZ250-12Q05&05&12&12
12	9-18	12&12&05&24	5&5&4&4.58	120&120&50&200	83%	MCZ250-12Q12&12&05&24
12	9-18	12&12&24&24	4.17&4.17&3.13&3.13	120&120&200&200	83%	MCZ250-12Q12&12&24&24
12	9-18	05&05&12&12	10&10&8.33&8.33	50&50&120&120	82%	MCZ300-12Q05&05&12&12
12	9-18	05&12&24&24	6&7.5&3.75&3.75	50&120&200&200	82%	MCZ300-12Q05&12&24&24
12	9-18	12&12&05&24	2.5&2.5&2&3.33	120&120&50&200	83%	MCZ300-12Q12&12&05&24
12	9-18	12&12&24&24	5&5&3.75&3.75	120&120&200&200	83%	MCZ300-12Q12&12&24&24
12	9-18	15&15&05&24	5&5&6&5	120&120&20&200	83%	MCZ300-12Q15&15&05&24
12	9-18	12&24&48&48	6&12.5&1.6&1.6	120&200&300&300	83%	MCZ300-12Q12&24&48&48
18	9-36	05&05&12&12	5&5&4.17&4.17	50&50&120&120	82%	MCZ150-18Q05&05&12&12
18	9-36	05&12&24&24	7.5&3&1.6&1.6	50&120&200&200	82%	MCZ150-18Q05&12&24&24
18	9-36	12&12&05&24	3&3&7.5&1.6	120&120&50&200	83%	MCZ150-18Q12&12&05&24
18	9-36	12&12&24&24	2.92&2.92&1.67&1.67	120&120&200&200	83%	MCZ150-18Q12&12&24&24
24	18-36	05&05&12&12	6&6&5.83&5.83	30&30&30&30	82%	MCZ-X200-24Q05&05&12&12
24	18-36	05&05&12&12	6&6&5.83&5.83	50&50&120&120	82%	MCZ200-24Q05&05&12&12
24	18-36	12&12&05&24	4.17&4.17&4&3.33	120&120&50&200	83%	MCZ200-24Q12&12&05&24
24	18-36	12&12&24&24	3.33&3.33&2.5&2.5	120&120&200&200	83%	MCZ200-24Q12&12&24&24
24	18-36	05&05&12&12	6&6&7.92&7.92	30&30&30&30	82%	MCZ-X250-24Q05&05&12&12
24	18-36	05&05&12&12	6&6&7.92&7.92	50&50&120&120	82%	MCZ250-24Q05&05&12&12
24	18-36	12&12&05&24	5&5&4&4.58	120&120&50&200	83%	MCZ250-24Q12&12&05&24
24	18-36	12&12&24&24	4.17&4.17&3.13&3.13	120&120&200&200	83%	MCZ250-24Q12&12&24&24
24	18-36	05&05&12&12	10&10&8.33&8.33	50&50&120&120	82%	MCZ300-24Q05&05&12&12
24	18-36	05&12&24&24	6&7.5&3.75&3.75	50&120&200&200	82%	MCZ300-24Q05&12&24&24
24	18-36	12&12&05&24	2.5&2.5&2&3.33	120&120&50&200	83%	MCZ300-24Q12&12&05&24
24	18-36	12&12&24&24	5&5&3.75&3.75	120&120&200&200	83%	MCZ300-24Q12&12&24&24
24	18-36	15&15&05&24	5&5&6&5	120&120&20&200	83%	MCZ300-24Q15&15&05&24
24	18-36	12&24&48&48	6&12.5&1.6&1.6	120&200&300&300	83%	MCZ300-24Q12&24&48&48
48	36-72	05&05&12&12	5&5&4.17&4.17	50&50&120&120	82%	MCZ150-48Q05&05&12&12
48	36-72	05&12&24&24	7.5&3&1.6&1.6	50&120&200&200	82%	MCZ150-48Q05&12&24&24
48	36-72	12&12&05&24	3&3&7.5&1.6	120&120&50&200	83%	MCZ150-48Q12&12&05&24
48	36-72	12&12&24&24	2.92&2.92&1.67&1.67	120&120&200&200	83%	MCZ150-48Q12&12&24&24
48	36-72	05&05&12&12	6&6&5.83&5.83	50&50&120&120	82%	MCZ200-48Q05&05&12&12
48	36-72	05&12&24&24	2&3.33&3.13&3.13	50&120&200&200	82%	MCZ200-48Q05&12&24&24
48	36-72	12&12&05&24	4.17&4.17&4&3.33	120&120&50&200	83%	MCZ200-48Q12&12&05&24
48	36-72	12&12&24&24	3.33&3.33&2.5&2.5	120&120&200&200	83%	MCZ200-48Q12&12&24&24
48	36-72	05&05&12&12	6&6&7.92&7.92	50&50&120&120	82%	MCZ250-48Q05&05&12&12
48	36-72	05&12&24&24	4&5&3.5&3.5	50&120&200&200	82%	MCZ250-48Q05&12&24&24
48	36-72	12&12&05&24	5&5&4&4.58	120&120&50&200	83%	MCZ250-48Q12&12&05&24
48	36-72	12&12&24&24	4.17&4.17&3.13&3.13	120&120&200&200	83%	MCZ250-48Q12&12&24&24
48	36-72	05&12&24&24	6&7.5&3.75&3.75	50&120&200&200	82%	MCZ300-48Q05&12&24&24
48	36-72	12&12&05&24	2.5&2.5&2&3.33	120&120&50&200	83%	MCZ300-48Q12&12&05&24
48	36-72	12&12&24&24	5&5&3.75&3.75	120&120&200&200	83%	MCZ300-48Q12&12&24&24
48	36-72	15&15&05&24	5&5&6&5	120&120&20&200	83%	MCZ300-48Q15&15&05&24
48	36-72	12&24&48&48	6&12.5&1.6&1.6	120&200&300&300	83%	MCZ300-48Q12&24&48&48

四路

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
四路	220	176-264	05&05&12&12	5&5&4.17&4.17	30&30&30&30	82%	MCA-X150-220Q05&05&12&12
	220	176-264	05&05&12&12	5&5&4.17&4.17	50&50&120&120	82%	MCA150-220Q05&05&12&12
	220	176-264	12&12&05&24	3&3&7.5&1.6	120&120&50&200	83%	MCA150-220Q12&12&05&24
	220	176-264	12&12&24&24	2.92&2.92&1.67&1.67	120&120&200&200	83%	MCA150-220Q12&12&24&24
	220	176-264	05&05&12&12	6&6&5.83&5.83	30&30&30&30	82%	MCA-X200-220Q05&05&12&12
	220	176-264	05&05&12&12	6&6&5.83&5.83	50&50&120&120	82%	MCA200-220Q05&05&12&12
	220	176-264	12&12&05&24	4.17&4.17&4&3.33	120&120&50&200	83%	MCA200-220Q12&12&05&24
	220	176-264	12&12&24&24	3.33&3.33&2.5&2.5	120&120&200&200	83%	MCA200-220Q12&12&24&24
	220	176-264	05&05&12&12	6&6&7.92&7.92	50&50&120&120	82%	MCA250-220Q05&05&12&12
	220	176-264	05&12&24&24	4&5&3.5&3.5	50&120&200&200	82%	MCA250-220Q05&12&24&24
	220	176-264	12&12&05&24	5&5&4&4.58	120&120&50&200	83%	MCA250-220Q12&12&05&24
	220	176-264	12&12&24&24	4.17&4.17&3.13&3.13	120&120&200&200	83%	MCA250-220Q12&12&24&24
	220	176-264	05&05&12&12	10&10&8.33&8.33	50&50&120&120	82%	MCA300-220Q05&05&12&12
	220	176-264	05&12&24&24	6&7.5&3.75&3.75	50&120&200&200	82%	MCA300-220Q05&12&24&24
	220	176-264	12&12&05&24	2.5&2.5&2&3.33	120&120&50&200	83%	MCA300-220Q12&12&05&24
	220	176-264	12&12&24&24	5&5&3.75&3.75	120&120&200&200	83%	MCA300-220Q12&12&24&24
	220	176-264	15&15&05&24	5&5&6&5	150&150&50&200	83%	MCA300-220Q15&15&05&24
	220	176-264	12&24&48&48	6&12.5&1.6&1.6	120&200&300&300	83%	MCA300-220Q12&24&48&48
	220/12	176-264, 9-18	05&12	8&9.17	50&120	82%	MCA150-220/12D05&12
	220/12	176-264, 9-18	05&24	6&5	50&200	82%	MCA150-220/12D05&24
	220/12	176-264, 9-18	12&12	6.25&6.25	120&120	82%	MCA150-220/12D12&12
	220/12	176-264, 9-18	05&12	12&11.67	50&120	82%	MCA200-220/12D05&12
	220/12	176-264, 9-18	05&24	8&6.67	50&200	82%	MCA200-220/12D05&24
	220/12	176-264, 9-18	12&12	8.33&8.33	120&120	82%	MCA200-220/12D12&12
	220/12	176-264, 9-18	05&12	12&15.83	50&120	82%	MCA250-220/12D05&12
	220/12	176-264, 9-18	05&24	8&8.75	50&200	82%	MCA250-220/12D05&24
	220/12	176-264, 9-18	12&12	10.42&10.72	120&120	82%	MCA250-220/12D12&12
	220/12	176-264, 9-18	05&24	12&10	50&200	82%	MCA300-220/12D05&24
	220/12	176-264, 9-18	24&24	6.25&6.25	200&200	83%	MCA300-220/12D24&24
	220/24	176-264, 18-36	05&12	8&9.17	50&120	82%	MCA150-220/24D05&12
	220/24	176-264, 18-36	05&24	6&5	50&200	82%	MCA150-220/24D05&24
	220/24	176-264, 18-36	12&12	6.25&6.25	120&120	82%	MCA150-220/24D12&12
	220/24	176-264, 18-36	05&24	8&6.67	50&200	82%	MCA200-220/24D05&24
	220/24	176-264, 18-36	12&12	8.33&8.33	120&120	82%	MCA200-220/24D12&12
	220/24	176-264, 18-36	05&24	8&8.75	50&200	82%	MCA250-220/24D05&24
	220/24	176-264, 18-36	12&12	10.42&10.72	120&120	82%	MCA250-220/24D12&12
	220/24	176-264, 18-36	05&24	12&10	50&200	82%	MCA300-220/24D05&24
	220/24	176-264, 18-36	24&24	6.25&6.25	200&200	83%	MCA300-220/24D24&24
	220/48	176-264, 36-72	05&12	8&9.17	50&120	82%	MCA150-220/48D05&12
220/48	176-264, 36-72	05&24	6&5	50&200	82%	MCA150-220/48D05&24	
220/48	176-264, 36-72	12&12	6.25&6.25	120&120	82%	MCA150-220/48D12&12	
220/48	176-264, 36-72	05&24	8&6.67	50&200	82%	MCA200-220/48D05&24	
220/48	176-264, 36-72	12&12	8.33&8.33	120&120	82%	MCA200-220/48D12&12	
220/48	176-264, 36-72	05&12	12&15.83	50&120	82%	MCA250-220/48D05&12	
220/48	176-264, 36-72	05&24	8&8.75	50&200	82%	MCA250-220/48D05&24	
220/48	176-264, 36-72	12&12	10.42&10.72	120&120	82%	MCA250-220/48D12&12	
220/48	176-264, 36-72	05&24	12&10	50&200	82%	MCA300-220/48D05&24	
220/48	176-264, 36-72	24&24	6.25&6.25	200&200	83%	MCA300-220/48D24&24	
五路	220	176-264	05&05&12&12&12	3&3&3.3&3.3&3.3	50&50&120&120&120	82%	MCA150-220F05&05&12&12&12
	220	176-264	05&12&12&12&24&24	2&2.5&2.5&1.67&1.67	50&120&120&200&200	82%	MCA150-220F05&12&12&24&24
	220	176-264	05&05&12&12&12	4&4&4.4&4.4&4.4	50&50&120&120&120	82%	MCA200-220F05&05&12&12&12
	220	176-264	05&12&12&12&24&24	3&3.13&3.13&2.29&2.29	50&120&120&200&200	82%	MCA200-220F05&12&12&24&24
	220	176-264	05&05&12&12&12	5&5&6.94&6.94&6.94	50&50&120&120&120	82%	MCA300-220F05&05&12&12&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.

DC/DC MDZ 系列

全功率 4 路独立输出电源

AC/DC MDA 系列

内置功率因数校正电路

800-1500W



物理特性

结构尺寸: 360*240*146mm
重量: 8.00Kg

特性

Features

- 宽电压输入范围 Wide range of input voltage
- 安装方便 Easy installation
- 高可靠性, 长寿命设计 Design for high reliability, long lifetime
- 整体散热防辐射设计 Attractive outline and anti-radiation design
- 满负荷效率可达 87% Full load efficiency up to 87%
- 大功率输出 High output power

MDZ 输入特性

MDZ Input Characteristics

电压范围: (Voltage Range)	DC-DC 12V _{DC} (Normal)	9-18V _{DC}
	24V _{DC} (Normal)	18-36V _{DC}
	48V _{DC} (Normal)	36-72V _{DC}

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

MDA 输入特性

MDA 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)	0.25°C/W
0.5M/S	0.20°C/W
1M/S	0.15°C/W
1.5M/S	0.11°C/W
2M/S	0.08°C/W

DC/DC MDZ 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	05&05&12&12	30&30&20&20	30&30&30&30	82%	MDZ-X800-12Q05&05&12&12
12	9-18	05&05&12&12	30&30&20&20	50&50&120&120	82%	MDZ800-12Q05&05&12&12
12	9-18	12&12&05&24	12. 5&12. 5&10&12. 5	120&120&50&200	83%	MDZ800-12Q12&12&05&24
12	9-18	12&12&24&24	15&15&10&10	120&120&200&200	83%	MDZ800-12Q12&12&24&24
12	9-18	12&12&12&12	16. 67&16. 67&25&25	120&120&120&120	82%	MDZ1000-12Q12&12&12&12
12	9-18	05&12&24&24	20&25&13&13	50&120&200&200	82%	MDZ1000-12Q05&12&24&24
12	9-18	12&12&05&24	20&20&20&16	120&120&50&200	83%	MDZ1000-12Q12&12&05&24
12	9-18	12&12&24&24	16&16&12&12	120&120&200&200	83%	MDZ1000-12Q12&12&24&24
12	9-18	12&12&12&12	25&25&25&25	30&30&30&30	82%	MDZ-X1200-12Q12&12&12&12
12	9-18	12&12&12&12	25&25&25&25	120&120&120&120	82%	MDZ1200-12Q12&12&12&12
12	9-18	12&12&05&24	25&25&20&20	120&120&50&200	83%	MDZ1200-12Q12&12&05&24
12	9-18	12&12&24&24	16&16&12&12	120&120&200&200	83%	MDZ1200-12Q12&12&24&24
12	9-18	05&12&24&24	30&29&20&20	50&120&200&200	82%	MDZ1500-12Q05&12&24&24
12	9-18	12&12&05&24	25&25&20&33	120&120&50&200	83%	MDZ1500-12Q12&12&05&24
12	9-18	12&12&24&24	20&20&20&20	120&120&200&200	83%	MDZ1500-12Q12&12&24&24
12	9-18	15&15&05&24	30&20&50&20	150&150&50&200	83%	MDZ1500-12Q15&15&05&24
12	9-18	12&24&48&48	25&16&8&8	120&200&300&300	83%	MDZ1500-12Q12&24&48&48
24	18-36	05&05&12&12	30&30&20&20	50&50&120&120	82%	MDZ800-24Q05&05&12&12
24	18-36	05&12&24&24	10&12. 5&12. 5&12. 5	50&120&200&200	82%	MDZ800-24Q05&12&24&24
24	18-36	12&12&05&24	12. 5&12. 5&10&12. 5	120&120&50&200	83%	MDZ800-24Q12&12&05&24
24	18-36	12&12&24&24	15&15&10&10	120&120&200&200	83%	MDZ800-24Q12&12&24&24
24	18-36	12&12&12&12	16. 67&16. 67&25&25	120&120&120&120	82%	MDZ1000-24Q12&12&12&12
24	18-36	05&12&24&24	20&25&13&13	50&120&200&200	82%	MDZ1000-24Q05&12&24&24
24	18-36	12&12&05&24	20&20&20&16	120&120&50&200	83%	MDZ1000-24Q12&12&05&24
24	18-36	12&12&24&24	16&16&12&12	120&120&200&200	83%	MDZ1000-24Q12&12&24&24
24	18-36	12&12&12&12	25&25&25&25	120&120&120&120	82%	MDZ1200-24Q12&12&12&12
24	18-36	05&12&24&24	20&25&16&16	50&120&200&200	82%	MDZ1200-24Q05&12&24&24
24	18-36	12&12&05&24	25&25&20&20	120&120&50&200	83%	MDZ1200-24Q12&12&05&24
24	18-36	12&12&24&24	16&16&12&12	120&120&200&200	83%	MDZ1200-24Q12&12&24&24
24	18-36	05&12&24&24	30&29&20&20	50&120&200&200	82%	MDZ1500-24Q05&12&24&24
24	18-36	12&12&05&24	25&25&20&33	120&120&50&200	83%	MDZ1500-24Q12&12&05&24
24	18-36	12&12&24&24	20&20&20&20	120&120&200&200	83%	MDZ1500-24Q12&12&24&24
24	18-36	15&15&05&24	30&20&50&20	150&150&50&200	83%	MDZ1500-24Q15&15&05&24
24	18-36	12&24&48&48	25&16&8&8	120&200&300&300	83%	MDZ1500-24Q12&24&48&48
48	36-72	05&05&12&12	30&30&20&20	30&30&30&30	82%	MDZ-X800-48Q05&05&12&12
48	36-72	05&05&12&12	30&30&20&20	50&50&120&120	82%	MDZ800-48Q05&05&12&12
48	36-72	12&12&05&24	12. 5&12. 5&10&12. 5	120&120&50&200	83%	MDZ800-48Q12&12&05&24
48	36-72	12&12&24&24	15&15&10&10	120&120&200&200	83%	MDZ800-48Q12&12&24&24
48	36-72	12&12&12&12	16. 67&16. 67&25&25	120&120&120&120	82%	MDZ1000-48Q12&12&12&12
48	36-72	05&12&24&24	20&25&13&13	50&120&200&200	82%	MDZ1000-48Q05&12&24&24
48	36-72	12&12&05&24	20&20&20&16	120&120&50&200	83%	MDZ1000-48Q12&12&05&24
48	36-72	12&12&24&24	16&16&12&12	120&120&200&200	83%	MDZ1000-48Q12&12&24&24
48	36-72	12&12&12&12	25&25&25&25	120&120&120&120	82%	MDZ1200-48Q12&12&12&12
48	36-72	05&12&24&24	20&25&16&16	50&120&200&200	82%	MDZ1200-48Q05&12&24&24
48	36-72	12&12&05&24	25&25&20&20	120&120&50&200	83%	MDZ1200-48Q12&12&05&24
48	36-72	12&12&24&24	16&16&12&12	120&120&200&200	83%	MDZ1200-48Q12&12&24&24
48	36-72	05&12&24&24	30&29&20&20	50&120&200&200	82%	MDZ1500-48Q05&12&24&24
48	36-72	12&12&05&24	25&25&20&33	120&120&50&200	83%	MDZ1500-48Q12&12&05&24
48	36-72	12&12&24&24	20&20&20&20	120&120&200&200	83%	MDZ1500-48Q12&12&24&24
48	36-72	15&15&05&24	30&20&50&20	150&150&50&200	83%	MDZ1500-48Q15&15&05&24
48	36-72	12&24&48&48	25&16&8&8	120&200&300&300	83%	MDZ1500-48Q12&24&48&48
48	36-72	24&24&48&48	10&10&10&10	200&200&300&300	83%	MDZ1500-48Q24&24&48&48
48	36-72	48&48&48&48	7&7&8&8	300&300&300&300	83%	MDZ1500-48Q48&48&48&48

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.

DC/DC MDA 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
220	176-264	05&05&12	30&30&41.67	30&30&30	82%	MDA-X800-220T05&05&12
220	176-264	05&05&12	30&30&41.67	50&50&120	82%	MDA800-220T05&05&12
220	176-264	05&12&12	20&29.17&29.17	30&30&30	82%	MDA-X800-220T05&12&12
220	176-264	05&12&12	20&29.17&29.17	50&120&120	82%	MDA800-220T05&12&12
220	176-264	12&12&24	16.67&16.67&16.67	120&120&200	83%	MDA800-220T12&12&24
220	176-264	12&24&24	16.67&16.67&16.67	120&200&200	83%	MDA800-220T12&24&24
220	176-264	24&24&24	11.11&11.11&11.11	200&200&200	83%	MDA800-220T24&24&24
220	176-264	24&24&48	8.33&8.33&8.33	200&200&300	83%	MDA800-220T24&24&48
220	176-264	48&48&48	5.56&5.56&5.56	300&300&300	83%	MDA800-220T48&48&48
220	176-264	05&05&12	40&40&50	50&50&120	82%	MDA1000-220T05&05&12
220	176-264	05&12&12	40&33.33&33.33	50&120&120	82%	MDA1000-220T05&12&12
220	176-264	05&12&24	30&29.17&20.83	50&120&200	82%	MDA1000-220T05&12&24
220	176-264	12&12&12	27.78&27.78&27.78	120&120&120	83%	MDA1000-220T12&12&12
220	176-264	12&12&24	20.83&20.83&20.83	120&120&200	83%	MDA1000-220T12&12&24
220	176-264	12&24&24	25&14.58&14.58	120&200&200	83%	MDA1000-220T12&24&24
220	176-264	24&24&24	13.89&13.89&13.89	200&200&200	83%	MDA1000-220T24&24&24
220	176-264	24&24&48	10.42&10.42&10.42	200&200&300	83%	MDA1000-220T24&24&48
220	176-264	48&48&48	6.94&6.94&6.94	300&300&300	83%	MDA1000-220T48&48&48
220	176-264	05&12&12	40&41.67&41.67	50&120&120	82%	MDA1200-220T05&12&12
220	176-264	05&12&24	30&33.33&27.08	50&120&200	82%	MDA1200-220T05&12&24
220	176-264	05&15&15	30&35&35	50&150&150	82%	MDA1200-220T05&15&15
220	176-264	12&12&12	33.33&33.33&33.33	120&120&120	83%	MDA1200-220T12&12&12
220	176-264	12&12&24	25&25&25	120&120&200	83%	MDA1200-220T12&12&24
220	176-264	12&24&24	25&18.75&18.75	120&200&200	83%	MDA1200-220T12&24&24
220	176-264	24&24&24	16.67&16.67&16.67	200&200&200	83%	MDA1200-220T24&24&24
220	176-264	24&24&48	12.5&12.5&12.5	200&200&300	83%	MDA1200-220T24&24&48
220	176-264	48&48&48	8.33&8.33&8.33	300&300&300	83%	MDA1200-220T48&48&48
220	176-264	05&12&12	50&52&52	50&120&120	82%	MDA1500-220T05&12&12
220	176-264	05&12&24	40&33.33&37.5	50&120&200	82%	MDA1500-220T05&12&24
220	176-264	05&15&15	40&43.33&43.33	50&150&150	83%	MDA1500-220T05&15&15
220	176-264	12&12&12	41.67&41.67&41.67	120&120&120	83%	MDA1500-220T12&12&12
220	176-264	12&12&24	31.25&31.25&31.25	120&120&200	83%	MDA1500-220T12&12&24
220	176-264	12&24&24	25&25&25	120&200&200	83%	MDA1500-220T12&24&24
220	176-264	24&24&24	20.83&20.83&20.83	200&200&200	83%	MDA1500-220T24&24&24
220	176-264	24&24&48	15.63&15.63&15.63	200&200&300	83%	MDA1500-220T24&24&48
220	176-264	48&48&48	10.42&10.42&10.42	300&300&300	83%	MDA1500-220T48&48&48
220	176-264	05&05&12&12	30&30&20&20	50&50&120&120	82%	MDA800-220Q05&05&12&12
220	176-264	05&12&24&24	10&12.5&12.5&12.5	50&120&200&200	82%	MDA800-220Q05&12&24&24
220	176-264	12&12&05&24	12.5&12.5&10&12.5	120&120&50&200	83%	MDA800-220Q12&12&05&24
220	176-264	12&12&24&24	15&15&10&10	120&120&200&200	83%	MDA800-220Q12&12&24&24
220	176-264	12&12&12&12	16.67&16.67&25&25	120&120&120&120	82%	MDA1000-220Q12&12&12&12
220	176-264	05&12&24&24	20&25&13&13	50&120&200&200	82%	MDA1000-220Q05&12&24&24
220	176-264	12&12&05&24	20&20&20&16	120&120&50&200	83%	MDA1000-220Q12&12&05&24
220	176-264	12&12&24&24	16&16&12&12	120&120&200&200	83%	MDA1000-220Q12&12&24&24
220	176-264	12&12&12&12	25&25&25&25	120&120&120&120	82%	MDA1200-220Q12&12&12&12
220	176-264	05&12&24&24	20&25&16&16	50&120&200&200	82%	MDA1200-220Q05&12&24&24
220	176-264	12&12&05&24	25&25&20&20	120&120&50&200	83%	MDA1200-220Q12&12&05&24
220	176-264	12&12&24&24	16&16&12&12	120&120&200&200	83%	MDA1200-220Q12&12&24&24
220	176-264	12&12&12&12	25&25&37.5&37.5	120&120&120&120	82%	MDA1500-220Q12&12&12&12
220	176-264	05&12&24&24	30&29&20&20	50&120&200&200	82%	MDA1500-220Q05&12&24&24
220	176-264	12&12&05&24	25&25&20&33	120&120&50&200	83%	MDA1500-220Q12&12&05&24
220	176-264	12&12&24&24	20&20&20&20	120&120&200&200	83%	MDA1500-220Q12&12&24&24
220	176-264	15&15&05&24	30&20&50&20	150&150&50&200	83%	MDA1500-220Q15&15&05&24

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.

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

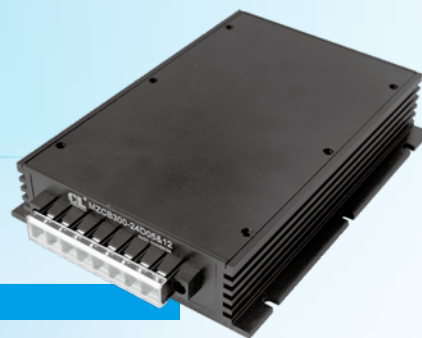
DC/DC MZCB 系列

超轻! 传导散热

AC/DC MAAB 系列

超轻! 传导散热

150-300W



物理特性

结构尺寸: 196*148*52mm
重量: 1.20Kg

特性

Features

- 超轻, 传导散热 Supper lightest weight, Heating-sink
- 安装方便 Easy installation
- 输入宽频噪声滤波器 Wideband noise filter of input
- 整体散热防辐射设计 Attractive outline and anti-radaition design
- 外型设计美观 Attractive outline design
- 符合 UL1950、IEC950 安全规程 Comply with UL1950, IEC950 safety regulations

MZCB 输入特性

MZCB Input Characteristics

电压范围: (Voltage Range)	DC-DC	12V _{DC} (Normal)	9-18V _{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}
		600V _{DC} (Normal)	400-800V _{DC}

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

MAAB 输入特性

MAAB 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
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)	1.10°C /W
0.5M/S	0.90°C /W
1M/S	0.75°C /W
1.5M/S	0.61°C /W
2M/S	0.49°C /W

DC/DC MZCB 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
单路	12	9-18	12	12.5	30	82%	MZCB-X150-12S12
	12	9-18	12	12.5	120	82%	MZCB150-12S12
	12	9-18	13.8	10.87	30	82%	MZCB-X150-12S13.8
	12	9-18	13.8	10.87	120	82%	MZCB150-12S13.8
	12	9-18	24	6.25	200	83%	MZCB150-12S24
	24	18-36	12	16.67	30	82%	MZCB-X200-24S12
	24	18-36	12	16.67	120	82%	MZCB200-24S12
	24	18-36	15	13.33	150	82%	MZCB200-24S15
	24	18-36	24	8.33	200	83%	MZCB200-24S24
	24	18-36	48	4.17	300	85%	MZCB200-24S48
	48	36-72	12	20.83	120	82%	MZCB250-48S12
	48	36-72	13.8	18.12	120	82%	MZCB250-48S13.8
	48	36-72	15	16.67	150	82%	MZCB250-48S15
	48	36-72	24	10.42	200	83%	MZCB250-48S24
	48	36-72	48	5.21	300	85%	MZCB250-48S48
	48	36-72	24	12.50	200	85%	MZCB300-48S24
	48	36-72	48	6.25	300	85%	MZCB300-48S48
	110	66-160	12	25	120	82%	MZCB300-110S12
	110	66-160	13.8	22	120	82%	MZC300-110S13.8
	300	200-400	15	20	150	82%	MZCB300-300S15
300	200-400	24	12.5	200	83%	MZCB300-300S24	
600	400-800	48	6.25	300	85%	MZCB300-600S48	
双路	12	9-18	05&05	15&15	30&30	82%	MZCB-X150-12D05&05
	12	9-18	05&05	15&15	50&50	82%	MZCB150-12D05&05
	12	9-18	12&12	6.25&6.25	30&30	83%	MZCB-X150-12D12&12
	12	9-18	12&12	6.25&6.25	120&120	83%	MZCB150-12D12&12
	12	9-18	24&24	3.13&3.13	200&200	83%	MZCB150-12D24&24
	12	9-18	24&48	3.13&1.6	200&300	84%	MZCB150-12D24&48
	12	9-18	48&48	1.6&1.6	300&300	84%	MZCB150-12D48&48
	24	18-36	05&05	20&20	50&50	82%	MZCB200-24D05&05
	24	18-36	05&12	20&8.3	50&120	83%	MZCB200-24D05&12
	24	18-36	12&12	8.3&8.3	120&120	83%	MZCB200-24D12&12
	24	18-36	12&24	8.3&4.2	120&200	83%	MZCB200-24D12&24
	24	18-36	24&24	4.2&4.2	200&200	83%	MZCB200-24D24&24
	24	18-36	24&48	4.2&2	200&300	84%	MZCB200-24D24&48
	24	18-36	48&48	2&2	300&300	84%	MZCB200-24D48&48
	48	36-72	05&12	10&16.67	50&120	83%	MZCB250-48D05&12
	48	36-72	12&12	10.4&10.4	120&120	83%	MZCB250-48D12&12
	48	36-72	12&24	8.33&6.25	120&200	83%	MZCB250-48D12&24
	48	36-72	24&24	5.2&5.2	200&200	83%	MZCB250-48D24&24
	48	36-72	24&48	4.17&3.13	200&300	84%	MZCB250-48D24&48
	48	36-72	48&48	2.6&2.6	300&300	84%	MZCB250-48D48&48
110	66-160	05&12	20&16.67	50&120	83%	MZCB300-110D05&12	
110	66-160	12&12	12.5&12.5	120&120	83%	MZCB300-110D12&12	
300	200-400	12&24	8.33&8.33	120&200	83%	MZCB300-300D12&24	
300	200-400	24&24	6.25&6.25	200&200	83%	MZCB300-300D24&24	
600	400-800	24&48	4.17&4.17	200&300	84%	MZCB300-600D24&48	
600	400-800	48&48	3.13&3.13	300&300	84%	MZCB300-600D48&48	
三路	12	9-18	12&28&50	5&2&0.6	120&300&300	80%	MZCB150-12T12&28&50
	24	18-36	22&12&05	6&10&5	200&120&50	83%	MZCB300-24T22&12&05
	48	36-72	24&12&12	5&10&5	200&120&120	83%	MZCB300-48T24&12&12
	110	66-160	24&24&12	5&5&5	200&200&120	83%	MZCB300-110T24&24&12
	300	200-400	24&24&24	5&5&2.5	200&200&200	83%	MZCB300-300T24&24&24

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 MAAB 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	220	176-264	12	12.5	30	82%	MAAB-X150-220S12
	220	176-264	12	12.5	120	82%	MAAB150-220S12
	220	176-264	13.8	10.87	30	82%	MAAB-X150-220S13.8
	220	176-264	13.8	10.87	120	82%	MAAB150-220S13.8
	220	176-264	24	6.25	200	83%	MAAB150-220S24
	220	176-264	12	16.67	120	82%	MAAB200-220S12
	220	176-264	13.8	14.49	30	82%	MAAB-X200-220S13.8
	220	176-264	13.8	14.49	120	82%	MAAB200-220S13.8
	220	176-264	24	8.33	200	83%	MAAB200-220S24
	220	176-264	48	4.17	300	85%	MAAB200-220S48
路	220	176-264	12	20.83	120	82%	MAAB250-220S12
	220	176-264	13.8	18.12	120	82%	MAAB250-220S13.8
	220	176-264	15	16.67	150	82%	MAAB250-220S15
	220	176-264	24	10.42	200	83%	MAAB250-220S24
	220	176-264	48	5.21	300	85%	MAAB250-220S48
	220	176-264	12	25	120	82%	MAAB300-220S12
	220	176-264	13.8	22	120	82%	MAAB300-220S13.8
	220	176-264	15	20	150	82%	MAAB300-220S15
	220	176-264	24	12.5	200	83%	MAAB300-220S24
	220	176-264	48	6.25	300	85%	MAAB300-220S48
双	220	176-264	05&05	15&15	50&50	82%	MAAB150-220D05&05
	220	176-264	05&12	15&6.25	50&120	83%	MAAB150-220D05&12
	220	176-264	12&12	6.25&6.25	120&120	83%	MAAB150-220D12&12
	220	176-264	12&24	6.25&3.13	120&200	83%	MAAB150-220D12&24
	220	176-264	24&24	3.13&3.13	200&200	83%	MAAB150-220D24&24
	220	176-264	24&48	3.13&1.6	200&300	84%	MAAB150-220D24&48
	220	176-264	48&48	1.6&1.6	300&300	84%	MAAB150-220D48&48
	220	176-264	05&05	20&20	50&50	82%	MAAB200-220D05&05
	220	176-264	05&12	20&8.3	50&120	83%	MAAB200-220D05&12
	220	176-264	12&12	8.3&8.3	120&120	83%	MAAB200-220D12&12
路	220	176-264	12&24	8.3&4.2	120&200	83%	MAAB200-220D12&24
	220	176-264	24&24	4.2&4.2	200&200	83%	MAAB200-220D24&24
	220	176-264	24&48	4.2&2	200&300	84%	MAAB200-220D24&48
	220	176-264	48&48	2&2	300&300	84%	MAAB200-220D48&48
	220	176-264	05&12	10&16.67	50&120	83%	MAAB250-220D05&12
	220	176-264	12&12	10.4&10.4	120&120	83%	MAAB250-220D12&12
	220	176-264	12&24	8.33&6.25	120&200	83%	MAAB250-220D12&24
	220	176-264	24&24	6.25&6.25	200&200	83%	MAAB250-220D24&24
	220	176-264	24&48	4.17&3.13	200&300	84%	MAAB250-220D24&48
	220	176-264	48&48	2.6&2.6	300&300	84%	MAAB250-220D48&48
三	220	176-264	05&12	20&16.67	50&120	83%	MAAB300-220D05&12
	220	176-264	12&12	12.5&12.5	120&120	83%	MAAB300-220D12&12
	220	176-264	12&24	8.33&8.33	120&200	83%	MAAB300-220D12&24
	220	176-264	24&24	6.25&6.25	200&200	83%	MAAB300-220D24&24
	220	176-264	24&48	4.17&4.17	200&300	84%	MAAB300-220D24&48
	220	176-264	48&48	3.13&3.13	300&300	84%	MAAB300-220D48&48
	220	176-264	12&28&50	5&2&0.6	120&300&500	80%	MAAB150-220T12&28&50
	220	176-264	22&12&05	6&10&5	200&120&50	83%	MAAB300-220T22&12&05
	220	176-264	24&12&12	5&10&5	200&120&120	83%	MAAB300-220T24&12&12
	220	176-264	24&24&12	5&5&5	200&200&120	83%	MAAB300-220T24&24&12
四	220	176-264	24&24&24	5&5&2.5	200&200&200	83%	MAAB300-220T24&24&24
	220	176-264	36-36&48-48	3/3&0.3/0.3	300/300&300/300	83%	MAAB250-220Q36-36&48-48
220	176-264	24-24&48-48	3.5/3.5&0.3/0.3	200/200&300/300	83%	MAAB250-220Q24-24&48-48	

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.

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

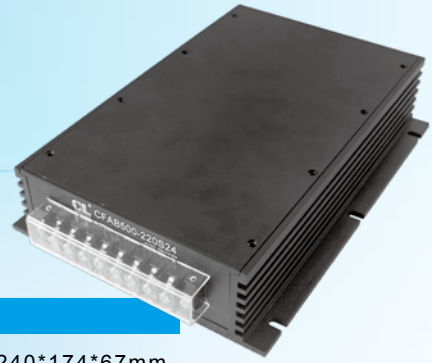
DC/DC CUZB 系列

超轻! 传导散热

AC/DC CFAB 系列

超轻! 传导散热

300-750W



物理特性

结构尺寸: 240*174*67mm
重量: 1.50Kg

特性

Features

- 宽电压输入范围
- 输入浪涌抑制电路
- 输入宽频噪声滤波器
- 整体散热防辐射设计
- 全面通过电磁兼容测试, 符合 EN55022(GB17626)、IEC61000-4(GB17626)
- 符合 UL1950、IEC950 安全规程

- Wide range of input voltage
- Surge suppression circuit of input
- Wideband noise filter of input
- Attractive outline and anti-radiation design
- Fully passed EMC test, comply with EN55022(GB17626)、IEC61000-4(GB17626)
- Comply with UL1950, IEC950 safety regulations

CUZB 输入特性

CUZB Input Characteristics

电压范围: (Voltage Range)	DC-DC 12Vdc(Normal)	9-18Vdc
	24Vdc(Normal)	18-36Vdc
	48Vdc(Normal)	36-72Vdc
	110Vdc(Normal)	66-160Vdc
	300Vdc(Normal)	200-400Vdc
	600Vdc(Normal)	400-800Vdc
	800Vdc(Normal)	600-1000Vdc

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

CFAB 输入特性

CFAB Input Characteristics

电压范围: (Voltage Range)	AC-DC 220VAc(Normal)	176-264VAc
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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 Vdc	> 1500 VAc/1min (漏电流 < 5mA)
输入 - 外壳: (Input-Case)	> 1050 Vdc	> 1500 VAc/1min (漏电流 < 5mA)
输出 - 外壳: (Output-Case)	> 500 Vdc	> 500 Vdc/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)	0.80°C/W
0.5M/S	0.62°C/W
1M/S	0.50°C/W
1.5M/S	0.37°C/W
2M/S	0.30°C/W

DC/DC CUZB 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	13.8	21.74	30	82%	CUZB-X300-12S13.8
12	9-18	13.8	21.74	120	82%	CUZB300-12S13.8
12	9-18	48	6.25	300	85%	CUZB300-12S48
12	9-18	13.8	28.99	30	82%	CUZB-X400-12S13.8
12	9-18	13.8	28.99	120	82%	CUZB400-12S13.8
12	9-18	48	8.33	300	84%	CUZB400-12S48
12	9-18	13.8	32.61	120	82%	CUZB450-12S13.8
12	9-18	24	18.75	200	83%	CUZB450-12S24
12	9-18	48	9.38	300	84%	CUZB450-12S48
24	18-36	13.8	21.74	120	82%	CUZB300-24S13.8
24	18-36	24	12.5	200	83%	CUZB300-24S24
24	18-36	48	6.25	300	84%	CUZB300-24S48
24	18-36	13.8	28.99	30	82%	CUZB-X400-24S13.8
24	18-36	13.8	28.99	130	82%	CUZB400-24S13.8
24	18-36	48	8.33	300	84%	CUZB400-24S48
24	18-36	13.8	36.23	120	82%	CUZB500-24S13.8
24	18-36	24	20.83	200	83%	CUZB500-24S24
24	18-36	48	10.42	300	84%	CUZB500-24S48
24	18-36	13.8	43.48	120	82%	CUZB600-24S13.8
24	18-36	24	25	200	83%	CUZB600-24S24
24	18-36	48	12.5	300	84%	CUZB600-24S48
24	18-36	24	29.17	200	83%	CUZB700-24S24
24	18-36	48	14.58	300	84%	CUZB700-24S48
24	18-36	24	31.25	200	83%	CUZB750-24S24
24	18-36	48	15.63	300	84%	CUZB750-24S48
48	36-72	24	12.5	200	83%	CUZB300-48S24
48	36-72	48	6.25	300	84%	CUZB300-48S48
48	36-72	24	16.67	200	83%	CUZB400-48S24
48	36-72	48	8.33	300	84%	CUZB400-48S48
48	36-72	24	20.83	200	83%	CUZB500-48S24
48	36-72	48	10.42	300	84%	CUZB500-48S48
48	36-72	24	25	200	83%	CUZB600-48S24
48	36-72	48	12.5	300	84%	CUZB600-48S48
48	36-72	24	31.25	200	83%	CUZB750-48S24
48	36-72	48	15.63	300	84%	CUZB750-48S48
110	66-160	24	20.83	200	83%	CUZB500-110S24
110	66-160	48	10.42	300	84%	CUZB500-110S48
300	200-400	24	16.67	200	83%	CUZB400-300S24
300	200-400	48	8.33	300	84%	CUZB400-300S48
300	200-400	24	20.83	200	84%	CUZB500-300S24
300	200-400	48	10.42	300	85%	CUZB500-300S48
300	200-400	24	22.92	200	84%	CUZB550-300S24
300	200-400	48	11.46	300	85%	CUZB550-300S48
600	400-800	24	12.5	200	84%	CUZB300-600S24
600	400-800	24	16.67	200	85%	CUZB400-600S24
600	400-800	24	20.83	200	85%	CUZB500-600S24
800	600-1000	48	10.42	300	85%	CUZB500-800S48
24	18-36	24&24	6.25&6.25	200&200	84%	CUZB300-24D24&24
48	36-72	24&24	15.63&15.63	200&200	84%	CUZB750-48D24&24
110	66-160	12&24	12.5&8.33	120&200	83%	CUZB350-110D12&24
300	200-400	24&24	8.33&8.33	200&200	84%	CUZB400-300D24&24
600	400-800	24&24	8.33&8.33	200&200	84%	CUZB400-600D24&24
600	400-800	24&24	15.63&15.63	200&200	84%	CUZB750-600D24&24

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.

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AC/DC CFAB 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	12	41.67	30	82%	CFAB-X500-220S12
	220	176-264	12	41.67	120	82%	CFAB500-220S12
	220	176-264	15	33.33	30	82%	CFAB-X500-220S15
	220	176-264	24	20.83	200	83%	CFAB500-220S24
	220	176-264	28	17.86	300	83%	CFAB500-220S28
	220	176-264	48	10.42	300	84%	CFAB500-220S48
	220	176-264	12	45.83	30	82%	CFAB-X550-220S12
	220	176-264	12	45.83	120	82%	CFAB550-220S12
	220	176-264	15	36.67	150	82%	CFAB550-220S15
	220	176-264	24	22.92	200	83%	CFAB550-220S24
	220	176-264	28	19.64	300	83%	CFAB550-220S28
	220	176-264	48	11.46	300	85%	CFAB550-220S48
	220	176-264	12	50	120	82%	CFAB600-220S12
	220	176-264	13.8	43.48	120	82%	CFAB600-220S13.8
	220	176-264	15	40	150	82%	CFAB600-220S15
	220	176-264	24	25	200	83%	CFAB600-220S24
	220	176-264	28	21.43	300	84%	CFAB600-220S28
	220	176-264	48	12.5	300	85%	CFAB600-220S48
	220	176-264	12	54.17	120	82%	CFAB650-220S12
	220	176-264	13.8	47.1	120	82%	CFAB650-220S13.8
	220	176-264	15	43.33	150	82%	CFAB650-220S15
	220	176-264	24	27.08	200	83%	CFAB650-220S24
	220	176-264	28	23.21	300	84%	CFAB650-220S28
	220	176-264	48	13.54	300	85%	CFAB650-220S48
	220	176-264	12	58.33	120	82%	CFAB700-220S12
	220	176-264	13.8	50.72	120	82%	CFAB700-220S13.8
	220	176-264	15	46.67	150	82%	CFAB700-220S15
	220	176-264	24	29.17	200	83%	CFAB700-220S24
	220	176-264	28	25	300	84%	CFAB700-220S28
	220	176-264	48	14.58	300	85%	CFAB700-220S48
220	176-264	12	62.50	120	82%	CFAB750-220S12	
220	176-264	13.8	54.35	120	82%	CFAB750-220S13.8	
220	176-264	15	50	150	82%	CFAB750-220S15	
220	176-264	24	31.25	200	83%	CFAB750-220S24	
220	176-264	28	26.79	300	83%	CFAB750-220S28	
220	176-264	48	15.63	300	84%	CFAB750-220S48	
双路	220	176-264	±12	20.83/20.83	120/120	83%	CFAB500-220D12
	220	176-264	±24	10.42/10.42	200/200	84%	CFAB500-220D24
	220	176-264	12&24	16.67&12.5	120&200	83%	CFAB500-220D12&24
	220	176-264	24&48	6.25&7.29	200&300	85%	CFAB500-220D24&48
	220	176-264	±12	22.92/22.92	120/120	82%	CFAB550-220D12
	220	176-264	±24	11.46/11.46	200/200	83%	CFAB550-220D24
	220	176-264	12&24	16.67&14.58	120&200	83%	CFAB550-220D12&24
	220	176-264	24&48	10.42&6.25	200&300	85%	CFAB550-220D24&48
	220	176-264	±12	25/25	120/120	82%	CFAB600-220D12
	220	176-264	±13.8	21.74/21.74	120/120	82%	CFAB600-220D13.8
	220	176-264	12&24	16.67&16.67	120&200	83%	CFAB600-220D12&24
	220	176-264	24&48	8.33&8.33	200&300	85%	CFAB600-220D24&48
	220	176-264	±12	29.17/29.17	120/120	82%	CFAB700-220D12
	220	176-264	±24	14.58/14.58	200/200	84%	CFAB700-220D24
	220	176-264	24&48	12.5&8.33	200&300	85%	CFAB700-220D24&48
	220	176-264	12&24	25&18.75	120&200	83%	CFAB750-220D12&24
	220	176-264	24&48	12.5&9.38	200&300	85%	CFAB750-220D24&48

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.

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选型说明 Selection Guide

1. 模块电源

CLZ 150 - 48 S 05 - J
1 2 3 4 5 6

1- 系列号

2- 输出功率：单路输出功率或多路输出功率总和；

3- 输入电压

4- 输出路数：S - 单路；D- 双路；T- 三路；Q- 四路；F- 五路；F1- 六路；

5- 输出电压

a) 当输出为双路（D）时，如果为正负输出，此项代表正负输出电压值；如果两路输出不同，第一个电压值为第一路输出（Vo1），第二个电压值为第二路输出（Vo2）；不共地用“&”联接两个电压值；

b) 当输出为三路（T）时，如果为正负，加一正输出，第一项为正负电压值；第二项为正输出值；如果三路输出不同，此处三项一次为三个电压值；

四路及以上输出的情况与三路输出相同或只标明路数再做详细解释

6- 辅助说明

J- 军品；K- 宽范围；S- 安装散热器

附加说明：

(1) 若把 AC/DC 产品型号转换为相对应的 DC/DC 型号，可将“系列号”最后一个字母 A 改成 F。

如原交流输入电源模块 CDA120-220S24 转换直流输入的型号应该是：CDF120-220S24

(2) 若低纹波输出的模块电源，命名方法只需在“系列号”后加“-X”。如：CCA-X35-220S07

2. 箱体式电源：

CL 19 A 2 A 400 -220S12
1 2 3 4 5 6 7

1- 系列号前缀

2- 机箱宽度：定制尺寸“19”为标准 U 箱电源

3- 机箱深度 A—350 ~ 400；B—400 ~ 450；C—450 ~ 500；D—500；X—客户定制尺寸

4- 机箱高度：客户定制高度，对于 U 箱 1—1U；2—2U；3—3U（1U=44.45mm）

5- 输入交流或直流方式：A—交流 Z—直流

6- 输出功率：电源单路输出功率或多路输出功率的总和；

7- 与模块电源命名方法第 3 ~ 6 部分相同



选型说明 Selection Guide

1. Module Power Supply Naming

CLZ 150 - 48 S 05 - J
1 2 3 4 5 6

1 Series Number

2 Output Power: Single output loop power or the power sum of output circuits;

3 Input Voltage

4 Output Circuits: S-Single; D-Double; T-Triple; Q-Quad; F-Five; F1-Six

5 Output Voltage

For double output, if it is positive or negative, this part refers to positive or negative voltage value, if both output are different, the first voltage refers to the first output(Vo1), and the second voltage refers to the second output(Vo2). Using symbol "&" link up two voltage values when the output circuits are isolation each other.

For triple output, if it is positive or negative output plus a positive output, then first part refers to positive or negative voltage value, the second part refers to positive; if all three are different, then three parts refers to three kind of voltage value in turn.

Quad and more outputs are same with triple output.

6 Auxiliary Notes: J-Military; K- Extension Input-Voltage; S-Heat Sink Installed

Attachment:

(1) Properly transition the model of AC/DC into DC/DC, using the letter "F" replacing "A" . For example AC/DC model is "CDA120-220S24" , correspond with the DC/DC model is: CDF120-220S24

(2) For the output at ultra-low ripple, insert "-X" between the series number and output power value.

2. Chassis Power Supply Naming:

CL 19 A 2 A 400 -220S12
1 2 3 4 5 6 7

1 Series prefix

2 Width: Customize size; "19" is 19 inch standard chassis

3 Depth: A—350~400; B—400~450; C—450~500; D- 500; X—Customize size

4 Height: Customize size, for 19 inch chassis is under 1—1U; 2—2U; 3—3U (1U=44.45mm)

5 Input Volt at Alternation or Direct: A—Alternative current Z—Direct current

6 Output power: Single loop output power or the power sum of output circuits.

7 Same as Module Power Supply Series part 3-6

本公司承诺严格按照
(GJB9001A-2001)
国军标质量管理体系
的要求，为军队及普
通客户专门设计、生
产特殊要求与规格的
电源产品。

北京承力电源有限公司

地址：北京市昌平区中关村昌平科技园中兴路10号

电话：010-69478591 80103984 传真：010-69478592

邮编：102200

开户行：中国银行北京北坝寺支行

帐号：805912477508091001

生产基地

地址：北京市顺义区仁和镇沙坨东大街3号

电话：010-69478421 69474550 69477927 69478591 69478592

传真：010-69478385

邮编：101300