



MDG Series (100~300W) 宽电压隔离系列

特性 Features

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| ● 输入II型滤波 | II type input filter |
| ● 高功率密度 | High power density |
| ● 满负荷效率可达91% | Full load efficiency up to 91% |
| ● 恒流输出特性 | Feature constant output current |
| ● 输出短路保护 | Output short circuit protection |
| ● 快速动态响应 | Fast dynamic response |
| ● 自然冷却, 可附加散热器 | Natural cooling, heat sink attachable |
| ● 高可靠性, 长寿命设计 | Design for high reliability, long lifetime |



输入特性 Input Characteristic

电压范围 (Voltage Range)	12VDC(额定值)	9-18 VDC	反压保护 (Reverse Protection) 应用时外接熔丝 (Fuse Outside)
	24VDC(额定值)	18-36 VDC	
	18VDC(额定值)	9-36 VDC	
	48VDC(额定值)	36-72 VDC	
	110VDC(额定值)	70-140 VDC	

输出特性 Output Characteristic

电压精度 (Voltage Set-point Accuracy)	± 1%	温度系数 (Temperature Coefficient)	± 0.01%/°C
电压调整率(主路) (Line Regulation<main>)	± 0.2%	电流限制点 (Output Current Limiting)	120%(Typ)
负载调整率(主路) (Load Regulation<main>)	± 0.4%	响应速度 (Dynamic Response)	400 μ s

一般特性 General Characteristic

工作频率(Switching Frequency)	160-200 KHz	环境特性(Environmental Characteristics)	
绝缘电阻(Isolation Resistance)	200 MΩ	工作壳温(Case Temperature)	
MTBF	>500000 H	工业品(Industry)	-25°C ~ +85°C
绝缘强度(Isolation Voltage)		军品I(Military I)	-40°C ~ +85°C
输入-输出(Input-Output)	>1500 VDC	军品II(Military II)	-55°C ~ +85°C
输入-外壳(Input-Case)	>1050 VDC	存储温度(Storage Temperature)	
输出-外壳(Output-Case)	>500 VDC	工业品(Industry)	-45°C ~ +105°C
		军品(Military)	-55°C ~ +105°C

DC-DC 端子式电源模块系列

型号 Models

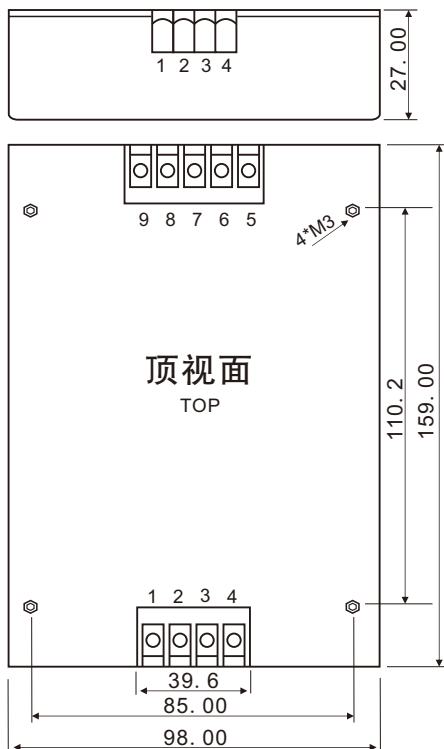
	型号 Models	输入电压(Vdc) Input voltage	输入电压范围(Vdc) Input voltage range	输出电压(Vdc) Output voltage	输出电流(A) Output current	纹波(mv) Ripple and noise	效率(Typ) Efficiency
单 路	MDG150-12S12	12	9~18	12	12.5	120	83%
	MDG100-12S24			24	4.17	200	85%
	MDG200-24S12	24	18~36	12	16.7	120	85%
	MDG200-24S28			28	7.14	280	88%
	MDG240-24S48			48	5	400	89%
	MDG300-48S24	48	36~72	24	12.5	200	89%
	MDG200-48S28			28	7.14	280	89%
	MDG100-18S12	18	9~36	12	8.3	100	84%
	MDG120-18S24			24	5	200	85%
双 路	MDG168-24D12&24	24	18~36	12/24	10/2	100/200	84%
	MDG170-48D5&12	48	36~72	5/12	10/10	50/100	84%

说明: 仅列出典型型号, 其他型号, 请确定功率、输入电压及输出电压, 致电我公司0571-88915820

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

外形尺寸及引脚定义(单位mm) Mechanical drawing and pin definition

MDG (100~300W) 159×98×26mm



引脚	单路	双路
1	-Vin	-Vin
2	-Vin	-Vin
3	+Vin	+Vin
4	+Vin	+Vin
5	TRIM	NC
6	+Vo	+Vo1
7	+Vo	-Vo1
8	-Vo	+Vo2
9	-Vo	-Vo2