



MDL Series (500~1000W) 宽电压隔离系列

特性 Features

- | | |
|--------------|--|
| ● 输入II型滤波 | II type input filter |
| ● 2倍电压输入 | 2 × voltage input |
| ● 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 |
| ● 最佳壳体连接方式 | Best case attaching mode |
| ● 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)	24VDC(额定值)	18-36 VDC	反压保护 (Reverse Protection)
	48VDC(额定值)	36-72 VDC	
	110VDC(额定值)	70-140 VDC	应用时外接熔丝 (Fuse Outside)

输出特性 Output Characteristic

电压精度 (Voltage Set-point Accuracy)	± 1%	温度系数 (Temperature Coefficient)	± 0.01%/°C
输出电压调整范围 (Output Voltage Range)	± 10%	电流限制点 (Output Current Limiting)	110%(Typ)
电压调整率(主路) (Line Regulation<main>)	± 0.2%	响应速度 (Dynamic Response)	400 μ s
负载调整率(主路) (Load Regulation<main>)	± 0.4%		

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 Resitstance)	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

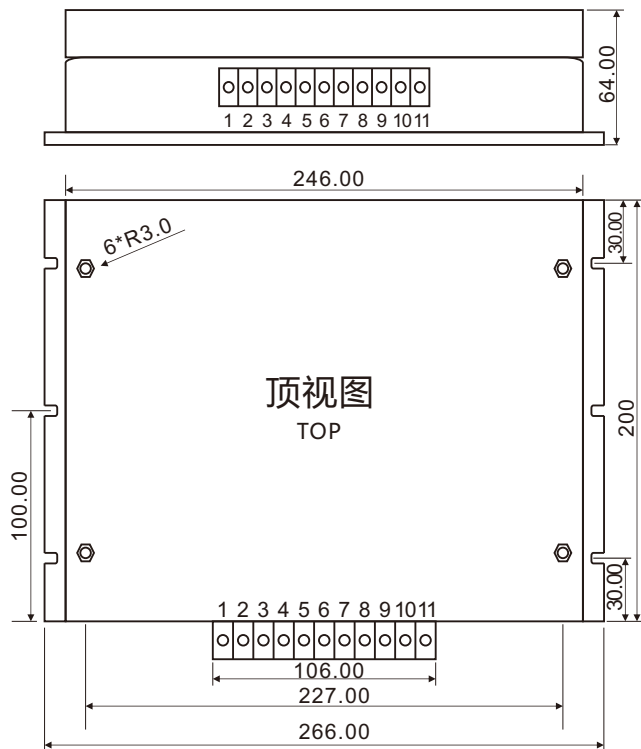
	型号 Models	输入电压(Vdc) Input voltage	输入电压范围(Vdc) Input voltage range	输出电压(Vdc) Output voltage	输出电流(A) Output current	纹波(mv) Ripple and noise	效率(Typ) Efficiency
单 路	MDL500-12S12	12	9~18	12	41.7	100	85%
	MDL600-24S12	24	18~36	12	50	100	85%
	MDL1000-24S24			24	41.7	200	86%
	MDL500-24S48			48	10.41	400	88%
	MDL600-48S12	48	36~72	12	50	100	85%
	MDL1000-48S24			24	41.7	200	88%
	MDL1000-48S48			48	20.8	400	88%
	MDL600-110S12	110	70~140	12	50	100	86%
	MDL720-110S24			24	30	200	86%
双 路	MDL500-24D12&24	24	18~36	12/24	15/13.3	100/200	87%
	MDL600-24D12&48			12/48	15/8.75	100/400	86%
	MDL500-48D5&24	48	36~72	5/24	20/16.7	50/200	83%
	MDL600-48D12&24			12/24	15/17.5	100/200	87%

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

MDL(500~1000W)尺寸: 200×266×64mm



引脚	单路	双路
1	+Vo	+Vo2
2	+Vo	+Vo2
3	+Vo	-Vo2
4	-Vo	-Vo2
5	-Vo	+Vo1
6	-Vo	-Vo1
7	Gr.	Gr.
8	+Vin	+Vin
9	+Vin	+Vin
10	-Vin	-Vin
11	-Vin	-Vin