MAL 4000-6000W

MAL 4000-6000W Series AC DC Isolated Converters Modules



特性 Features

输入宽频噪声滤波	Broadband noise filter of input
输入浪涌电流抑制电路	Surge suppress circuit of input
参照UL1950、IEC950安全规程	Refer to UL1950,IEC950 safety regulation
外型设计美观	Attractive outline design
效率高，散热好	High efficiency, good heat dissipation
CAN通讯	CAN communication

条件：除特殊指定外，所有参数测试条件为：室温25°C,标称输入电压，纯阻性标称负载
Condition: All specifications are tested under the room temperature 25°C, Normal input voltage and pure resistive normal load.

输入特性 Input Characteristic

额定值 (Rated)	电压范围 (Voltage Range)
220 VAC (额定值 Rated)	90-264 VAC (110VAC输入，输出功率减半)

输出特性 Output Characteristic

电压精度 (Voltage Set-point Accuracy)	± 2%
电压调整率(主路) (Line Regulation<main>)	± 0.5%
负载调整率(主路) (Load Regulation<main>)	± 0.5%
电流限制点 (Output Current Limiting)	大于输出电流额定值0.5-1A 0.5-1A greater than the rated output current

输出电流 (Output Current)	9-44A 任选 (For option)
输出电压 (Output Voltage)	144-720V 任选 (For option)
功率 (Power)	4000-6000W

一般特性 General Characteristic

绝缘电阻 (Isolation Resistance)	50MΩ		环境特性 (Environmental Characteristics)	工作温度 (operating Temperature)	-40-50°C
绝缘强度 (Isolation Voltage)	输入-输出 (Input-Output)	>2000VAC/1min			
	输入-外壳 (Input-Case)	>1500VAC/1min		存储温度 (Storage Temperature)	-40-95°C
	输出-外壳 (Output-Case)	>500 VDC/1min			

保护特性 General Characteristic

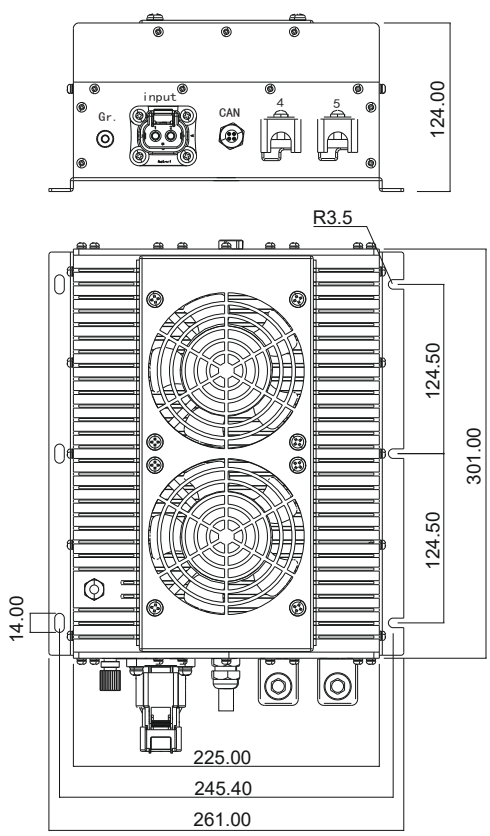
- ★ 输入欠压保护(Input under voltage protection)
- ★ 输入过压保护(Input over voltage protection)
- ★ 输出短路保护(Output short circuit protection)
- ★ 过温保护(Over temperature protection)
- ★ 输出过流保护(Output over current protection)

	输入电压(Vac) Input voltage	输入电压范围（Vac） Input voltage Range	输出电压（Vdc） Output voltage	输出电流（A） Output current(A)	纹波PK-PK（mv） Ripple and noise	效率(Typ) Efficiency(Typ)	型号 Models
单路 Single Channels Output	220	90-264	144	44	600	92%	MAL6400-220WS144
			360	18	800	93%	MAL6400-220WS360
			540	12	800	93%	MAL6400-220WS540
			720	9	800	93%	MAL6400-220WS720

■说明1：输出纹波噪声（峰值-峰值）采用的是87-88页附录四模块电源测试说明
Output ripple noise (Peak-Peak) is adopted the module power supply test instruction on the page 87-88.

■说明2：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，致电我公司 400-019-3997
Only typical models listed. If you need other model, please conform the power, input voltage and output voltage, then phone us +86 400-019-3997

外形尺寸以及引脚定义 Mechanical drawing and pin definition



单位(Unit):mm

输入&输出 in&out	引脚 PIN	单路 SING
输入 input	1	AC(L)
	2	AC(N)
	3	Gr.
输出 output	4(黑)	-VO
	5(红)	+VO
CAN	1	CANH
	2	CANL