MAI 1200-2000W

MAI 1200-2000W 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(可选) CAN communication (optional)

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)	120%(Typ)

输出电流 (Output Current)	5-60A 任选（For option）
输出电压 (Output Voltage)	24-540V 任选（For option）
功率 (Power)	1200-2000W

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		存储温度 (Storage Temperature)	-40-105°C
	输入-外壳 (Input-Case)	>1500VAC/1min			
	输出-外壳 (Output-Case)	>500 VDC/1min			

保护特性 General Characteristic

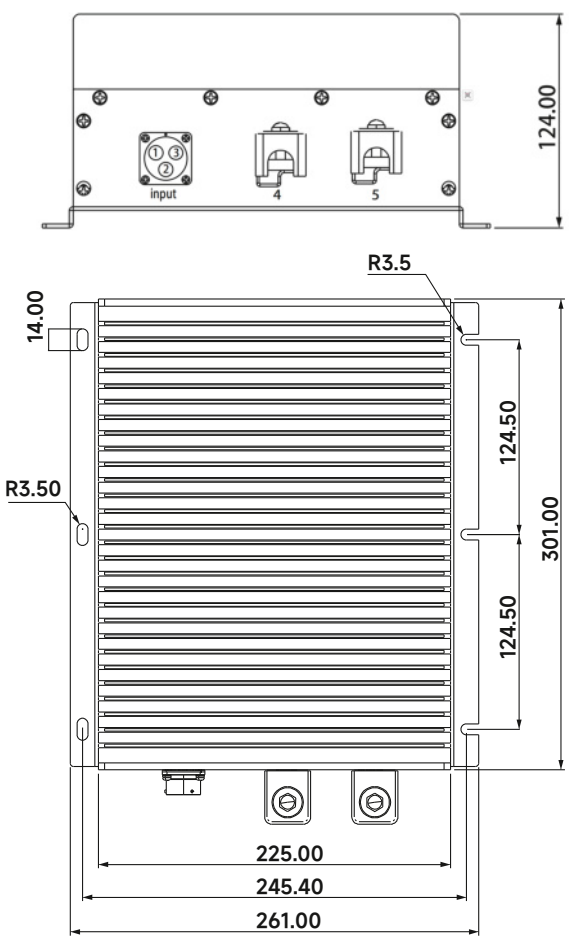
- ★ 输入欠压保护(Input under voltage protection)
- ★ 输入过压保护(Input over voltage protection)
- ★ 输出短路保护(Output short circuit protection)
- ★ 过温保护(Over temperature protection)
- ★ 输出过流保护(Output over current protection)

	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	24	60	200	90%	MAI1500-220WS24
		90-264	48	35	300	91%	MAI2000-220WS48
		90-264	72	25	500	93%	MAI2000-220WS72
		90-264	110	18	600	93%	MAI2000-220WS110
		90-264	144	13	600	93%	MAI2000-220WS144
		90-264	220	8	800	93%	MAI2000-220WS220
		90-264	360	6	800	93%	MAI2000-220WS360
		90-264	540	3	800	93%	MAI2000-220WS540

■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	Gr.
	2	AC(L)
	3	AC(N)
输出 output	4(黑)	-V0
	5(红)	+V0

CAN通讯(可选)