MDL 1500-3000W

MDL 1500-3000W Series DC DC Isolated Converters Modules



特性 Features

- 高低电压输入可选 High and low input voltage for option
- 2倍电压输入 2times input voltage
- 效率高 high efficiency
- CAN通讯(可选) CAN communication (optional)
- 外形美观、散热效果好 Good appearance, good heat dissipation
- 高可靠性、长寿命设计 Design for high reliability , long lifetime

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)
26VDC（额定值Rated）	20-32 VDC
48VDC(额定值Rated）	36-60 VDC
72VDC(额定值Rated）	45-95 VDC
96VDC（额定值Rated）	80-140 VDC

额定值 (Rated)	电压范围 (Voltage Range)
144VDC（额定值Rated）	100-170 VDC
210VDC（额定值Rated）	160-260 VDC
360VDC（额定值Rated）	280-480 VDC
560VDC(额定值Rated）	350-750 VDC
580VDC(额定值Rated）	400-850 VDC
850VDC（额定值Rated）	600-1100 VDC

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)	5-80A 任选（For option）
输出电压 (Output Voltage)	12-1110V 任选（For option）
功率 (Power)	1500-3000W

一般特性 General Characteristic

绝缘电阻 (Isolation Resistance)	50MΩ		环境特性 (Environmental Characteristics)	工作壳温 (Case Temperature)	（工业品）Industry -40 – +50°C
绝缘强度 (Isolation Voltage)	输入-输出 (Input-Output)	>3000VDC		存储温度 (Storage Temperature)	（工业品）Industry -45 – +105°C
	输入-外壳 (Input-Case)	>1000VDC			
	输出-外壳 (Output-Case)	>500VDC			

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)

★ 过温保护(Over temperature protection)

★ 输出过流保护(Output over current protection)

★ 输出短路保护(Output short circuit protection)

	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(A)	纹波PK-PK（mv） Ripple and noise	效率(Typ) Efficiency(Typ)	型号 Models
单路 Single Channels Output	26	20-32	24	60	200	90%	MDL1500-26S24
			48	30	300	91%	MDL1500-26S48
	48	36-60	24	60	200	90%	MDL1500-48S24
			48	30	300	91%	MDL1500-48S48
	72	45-95	24	60	200	90%	MDL1500-72S24
			48	30	300	91%	MDL1500-72S48
	96	80-140	24	60	200	90%	MDL1500-96S24
			48	30	300	91%	MDL1500-96S48
	144	100-170	24	60	200	90%	MDL1500-144S24
			48	30	300	91%	MDL1500-144S48
	210	160-260	24	60	200	90%	MDL1500-210S24
			48	30	300	91%	MDL1500-210S48
	360	280-500	24	83.3	200	90%	MDL2000-360S24
			48	62.5	400	91%	MDL3000-360S48
			58	51.7	400	91%	MDL3000-360S58
			72	41.6	500	92%	MDL3000-360S72
			80	37.5	500	92%	MDL3000-360S80
			120	25	500	92%	MDL3000-360S120
			200	15	800	93%	MDL3000-360S200
			300	10	800	93%	MDL3000-360S300
			400	7.5	800	93%	MDL3000-360S400
	560	350-750	24	83.3	200	90%	MDL2000-560S24
			48	62.5	400	91%	MDL3000-560S48
			58	51.7	400	91%	MDL3000-560S58
			72	41.6	500	92%	MDL3000-560S72
			80	37.5	500	92%	MDL3000-560S80
			120	25	500	92%	MDL3000-560S120
			200	15	800	93%	MDL3000-560S200
			300	10	800	93%	MDL3000-560S300
			400	7.5	800	93%	MDL3000-560S400
	580	400-850	24	83.3	200	90%	MDL2000-580S24
			48	62.5	400	91%	MDL3000-580S48
			58	51.7	400	91%	MDL3000-580S58
			72	41.6	500	92%	MDL3000-580S72
			80	37.5	500	92%	MDL3000-580S80
			120	25	500	92%	MDL3000-580S120
			200	15	800	93%	MDL3000-580S200
			300	10	800	93%	MDL3000-580S300
			400	7.5	800	93%	MDL3000-580S400
	850	600-1100	24	83.3	200	90%	MDL2000-850S24
			48	62.5	400	91%	MDL3000-850S48
			58	51.7	400	91%	MDL3000-850S58
			72	41.6	500	92%	MDL3000-850S72
			80	37.5	500	92%	MDL3000-850S80
			120	25	500	92%	MDL3000-850S120
			200	15	800	93%	MDL3000-850S200
			300	10	800	93%	MDL3000-850S300
			400	7.5	800	93%	MDL3000-850S400

■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.

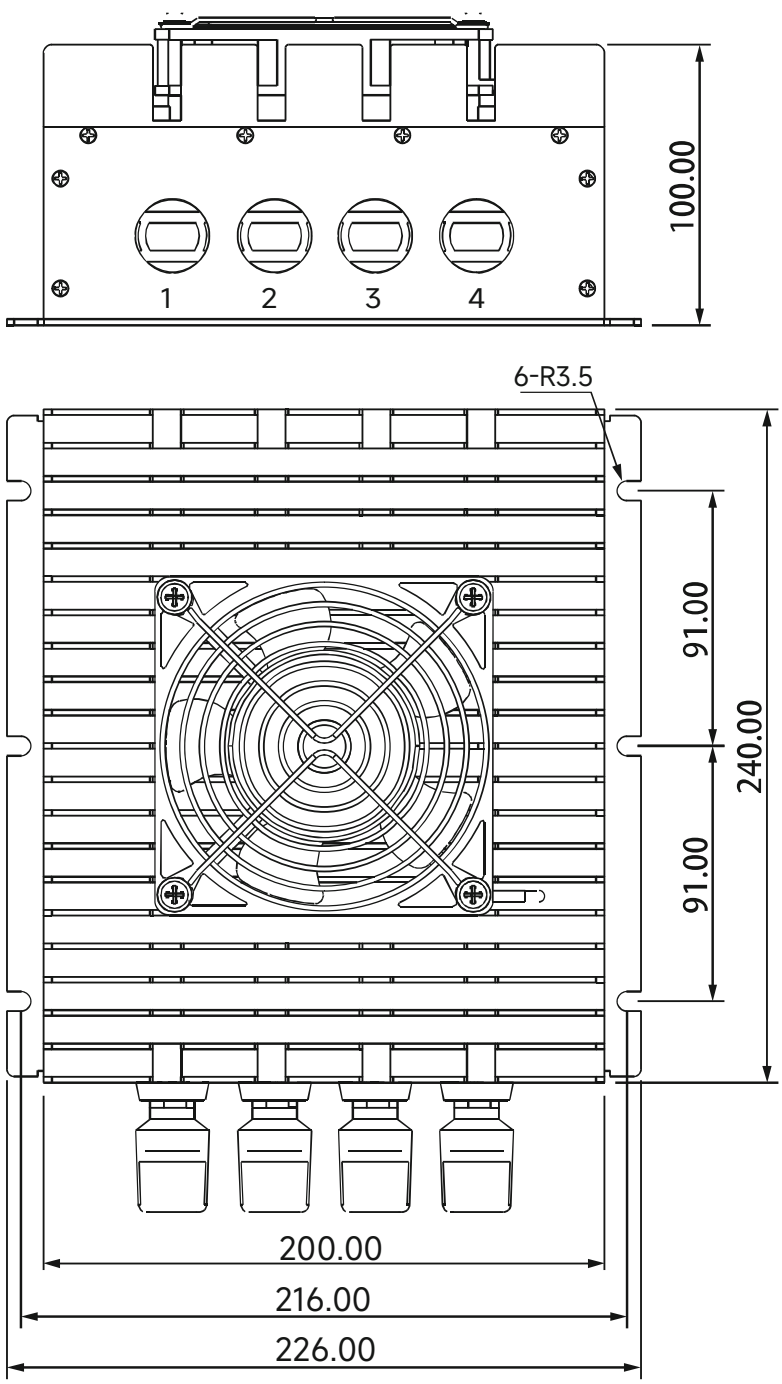
■说明2：仅列出典型型号，其它型号，请确定功率、输入电压及输出电压，致电我公司 400-019-3997

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

MDL 1500-3000W

MDL 1500-3000W Series DC DC Isolated Converters Modules



单位(Unit):mm

输入&输出 in&out	引脚 PIN	单路 SING
输入 input	1	+Vin
	2	-Vin
输出 output	3	+V0
	4	-V0

注：输入≥300V用高压端子