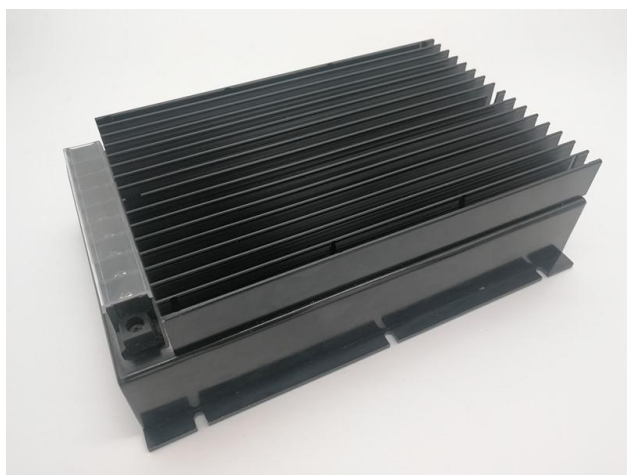


LD1000E 系列

DC/DC 便装电源模块



典型性能

- ◆ 1000W DC/DC 便装一体化隔离电源模块
- ◆ 外形尺寸: L×W×H (265×189×72 mm)
- ◆ 低纹波、噪声
- ◆ 短路保护、自恢复
- ◆ 高隔离耐压
- ◆ 宽压输入
- ◆ 低辐射噪声

注: 如无特殊指定, 所有参数测试均在标称输入

电压、纯阻性额定负载及 25℃室温环境下测得。

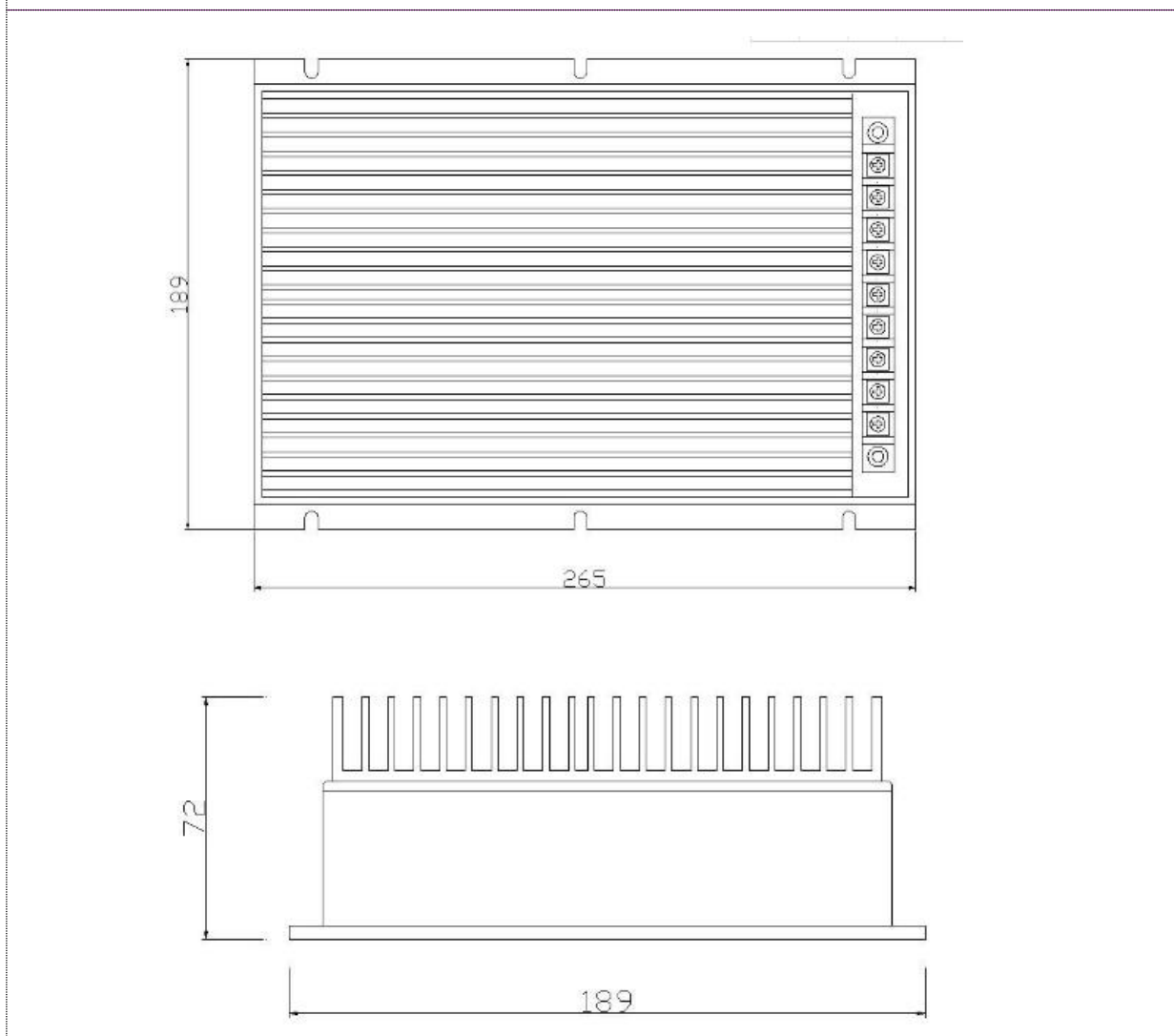
输入特性 Input	Min	Type	Max	Notes
输入电压范围 Input Voltage Range	18	24	36	Vdc
	36	48	72	Vdc
	72	110	144	Vdc
输出特性 Output	Min	Type	Max	Notes
输出电压精度 Set point Accuracy		±1%		
负载效应 Load Regulation		±0.5%		
源效应 Line Regulation		±1%		
纹波噪声 Ripple and Noise	20MHz 下	Vo*1%		
短路保护 Short-Circuit Protection	长期短路自恢复 Continue Automatic Recovery			
综合特性 General	Min	Type	Max	Notes
隔离电压 Isolation Voltage			1000Vdc	输入与输出 Input-Output
			500Vdc	输入与壳 Input-Case

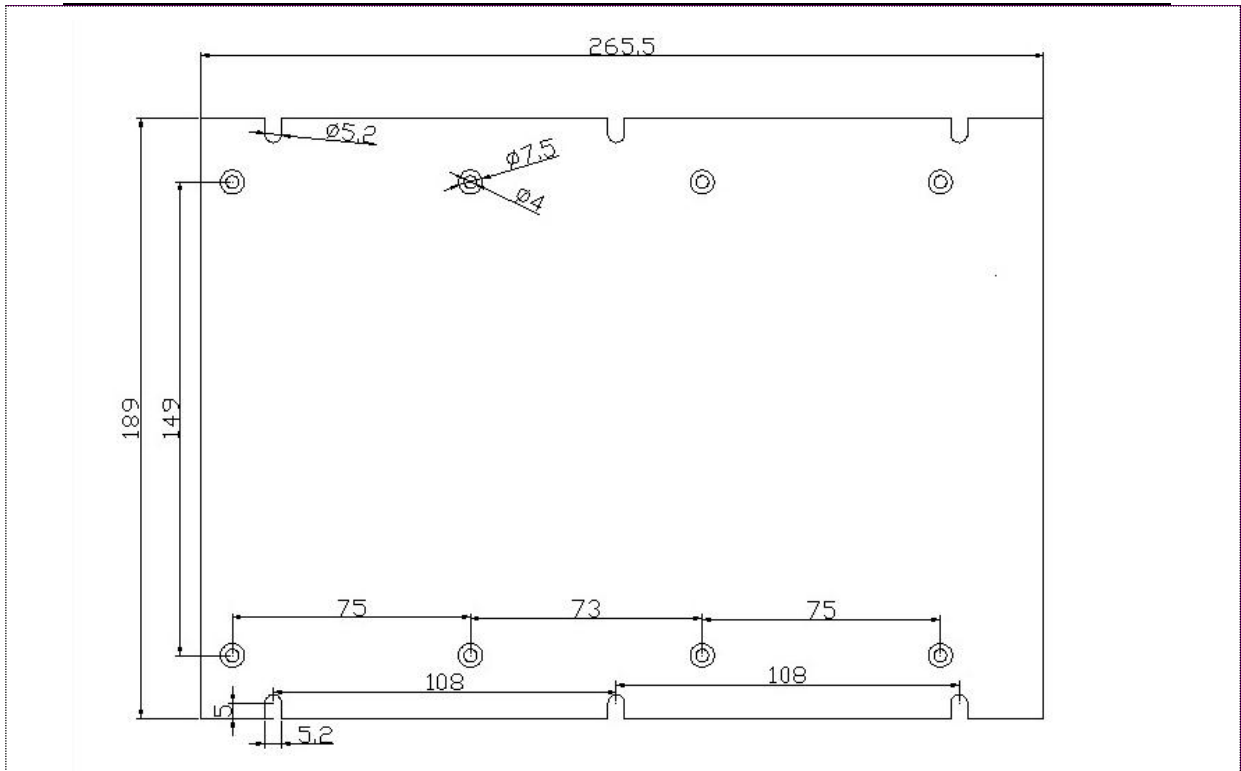
			500Vdc	输出与壳 Output-Case
开关频率 Switching Frequency		300KHz		
平均故障间隔时间 MTBF		5×10^5 Hrs		Mil HDBK 217F Tc=25°C
工作壳温 Case Temperature	-25°C		85°C	工业级
	-40°C		85°C	军工级
储存温度 Storage Temperature	-45°C		105°C	
相对湿度 Relative Humidity	5%		95%	

产品列表:

型号	输入电压范围(V)	标称输出电压/标称输出电流			纹波及噪声 (mVp-p)	典型效率(%)
		Vo1(V)/Io1(A)	Vo2(V)/Io2(A)	Vo3(V)/Io3(A)		
LD1000E-24S24	18-36V	24V/41.6A			$\leq 1\% * V_o$	
LD1000E-24S28		28V/35.7A			$\leq 1\% * V_o$	
LD1000E-24S36		36V/27.7A			$\leq 1\% * V_o$	
LD1000E-24S48		48V/20.8A			$\leq 1\% * V_o$	
LD1000E-24S110		110V/9.09A			$\leq 1\% * V_o$	
LD1000E-48S24	36-72V	24V/41.6A			$\leq 1\% * V_o$	
LD1000E-48S28		28V/35.7A			$\leq 1\% * V_o$	
LD1000E-48S36		36V/27.7A			$\leq 1\% * V_o$	
LD1000E-48S48		48V/20.8A			$\leq 1\% * V_o$	
LD1000E-48S110		110V/9.09A			$\leq 1\% * V_o$	
LD1000E-110S24	72-144V	24V/41.6A			$\leq 1\% * V_o$	
LD1000E-110S28		28V/35.7A			$\leq 1\% * V_o$	
LD1000E-110S36		36V/27.7A			$\leq 1\% * V_o$	
LD1000E-110S48		48V/20.8A			$\leq 1\% * V_o$	
LD1000E-110S110		110V/9.09A			$\leq 1\% * V_o$	

外形与管脚的定义：(单位 mm)

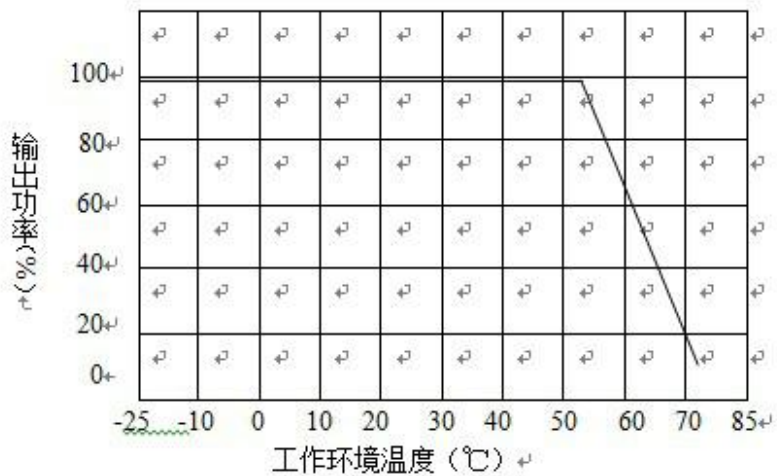




管脚定义

引线定义以实际标注为准。

产品特性曲线图 Product characteristic curve



工业级：（加散热片自然冷却下）当工作环境温度超出额定值工作时，请降额使用。

When the working environment temperature exceeds the rated value, please reduce the amount for use.

注:

(1) 本手册所有指标的测试方法均依据本公司企业标准。

All indicators in this manual are tested according to the company's enterprise standards.

(2) 除特殊说明外, 本手册的所以指标是在 $T_a=25^{\circ}\text{C}$, 湿度 $<75\%$, 标称输入电压和输出额定负载所测得。输出特性指标为负载在纯阻性条件下, 若非纯阻性负载, 需另行规定。

Except where noted, so the index of this manual is the $T_a = 25^{\circ}\text{C}$, humidity is $< 75\%$, measured by nominal input voltage and output rated load. The output characteristic index is the load in the condition of pure resistance. If the load is not pure resistance, it shall be specified separately.

(3) 若产品工作在复杂环境中, 则不能保证产品性能均符合本手册中所有性能指标。

If the product works in a complex environment, the product performance cannot be guaranteed to meet all the performance indicators in this manual.

(4) 我司可提供非常规电压产品定制, 具体需求可直接联系我司技术人员。

Our company can provide unconventional voltage products customized, specific requirements can be directly contacted with our technical staff.

(5) 本手册的最终解释权归广州弘仁电子科技有限公司所有。

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