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150W 端子单路系列

ACDC 隔离电源模块



典型性能 Features

- ◆ 高功率密度, 超薄设计, 最小体积
- ◆ 交、直流通用
- ◆ 多重保护功能设计
- ◆ 强化电磁兼容设计, 可在强电磁环境工作
- ◆ 一体化灌封加强了防腐、防潮、防震性能
- ◆ 良好的导热性、高可靠性
- ◆ 外形尺寸: (L*W*H) 139*88*26mm
- ◆ 典型效率 80%

输入特性 Input	Min	Type	Max	Notes
输入电压范围 Input Voltage Range	165Vac (200Vdc)	220Vac (300Vdc)	265Vac (380Vdc)	
输入频率 Input Frequency	45Hz	50/60Hz	65Hz	
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			2500Vac	输入与输出 Input-Output
			2000Vac	输入与壳 Input-Case
			500Vac	输出与壳 Output-Case

开关频率 Switching Frequency	100KHz		200KHz	
平均故障间隔时间 MTBF		2×10^5 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%	
产品重量	约 490g			

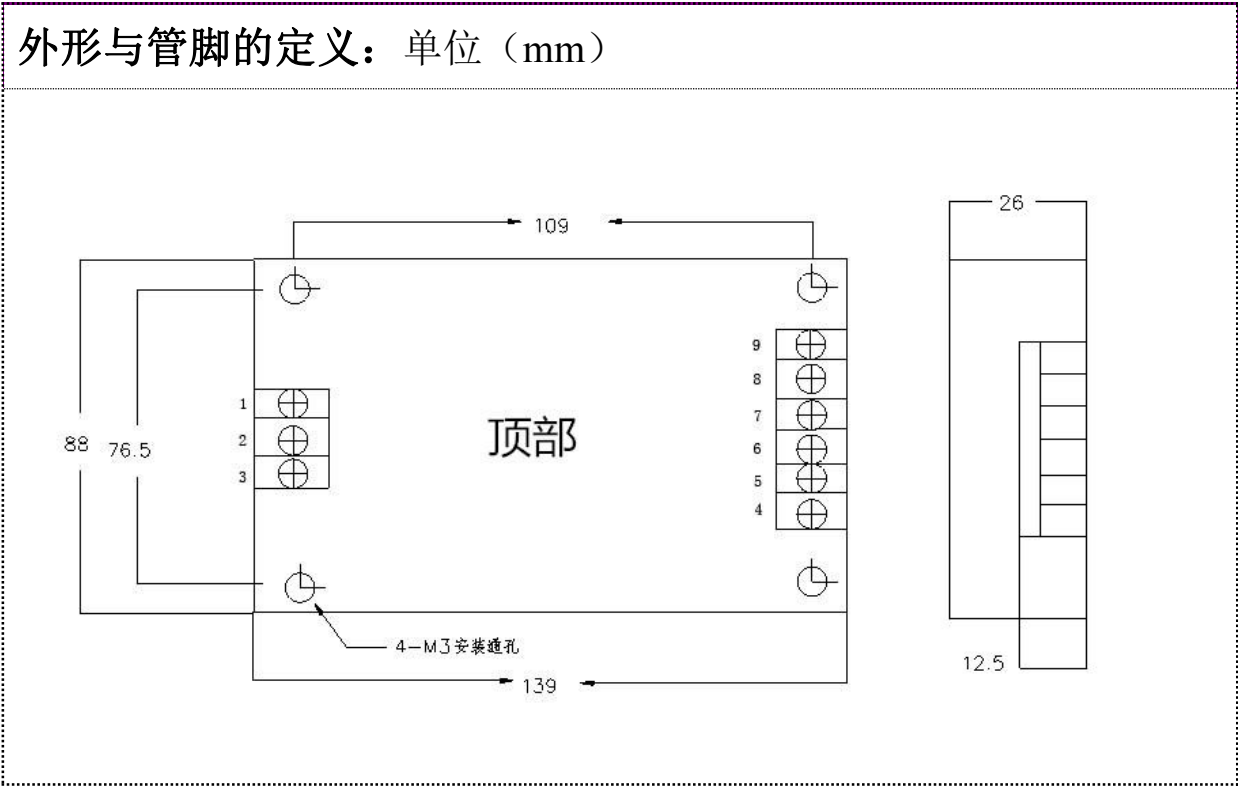
产品列表:

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)		
LA150E-220S12	165~ 265VAC	12V/12.5A				
LA150E-220S24		24V/6.25A				
LA150E-220S28		28V/5.36A				
LA150E-220S48		48V/3.125A				
LA150E-220S110		110V/1.36A				
LA150E-220S220		220V/0.68A				
LA150E-220D12	200~ 380VDC	12V/6.25A	-12V/6.25A			
LA150E-220D15		15V/5A	-15V/5A			
LA150E-220D24		24V/3.1A	-24V/3.1A			
LA150E-220D28		28V/2.68A	-28V/2.68A			

注: (1) 输出电压可定制, 如未找到所需参数, 可咨询我司销售人员。

(2) 军工级电源后缀加 J。

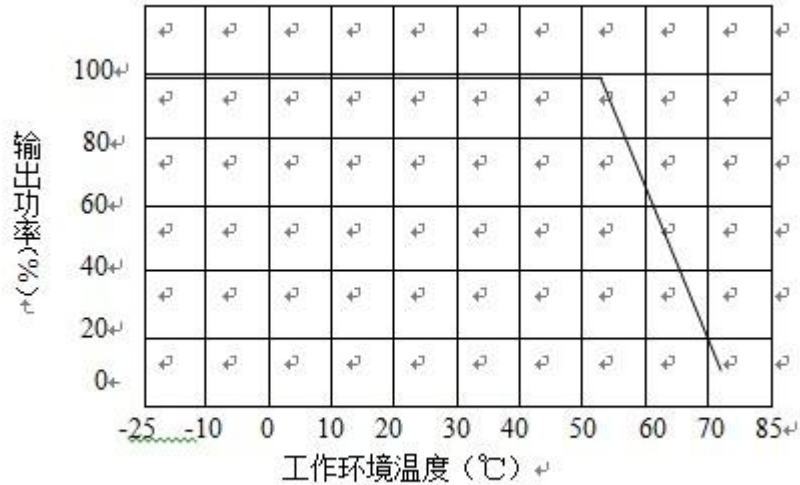
外形与管脚的定义：单位（mm）



*单路输出端备用一组输出正负端输出口，任意正与正(8,9 接口)，负与负（4,5 接口）可以通用。

管脚定义									
管脚编号	1	2	3	4	5	6	7	8	9
单路	接机壳 (FG)	接入零 线 (N)	接入火 线 (L)	输出负 (GND)	输出负 (GND)	无电气 (NC)	无电气 (NC)	输出正 (+V0)	输出正 (+V0)
管脚定义以实物为准！									

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.

产品使用散热推荐：Recommended for heat dissipation:

端子式电源（便装式电源）是为方便用户安装而设计的，可直接安装，无需印制电路板。全部采用接线端子出线方式。此产品有多种系列可以满足不同用户的需求，选择便装式电源不但可减少电源系统设计上的许多麻烦，还可降低设计成本和有效节省使用空间。以下推荐几种装配方式供用户参考。

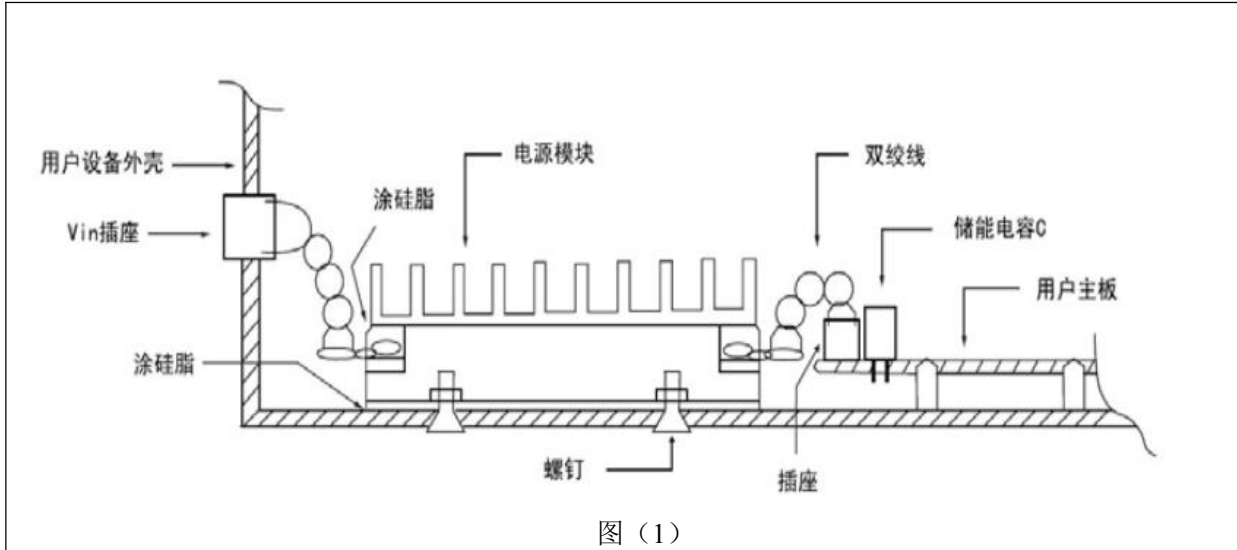
Terminal power supply (casual power supply) is designed for user installation, can be installed directly, without the need for printed circuit board. All of them are connected by terminals. This product has a variety of series can meet the needs of different users, the choice of casual power supply can not only reduce a lot of trouble on the power system design, but also reduce the design cost and effectively save the use of space. The following assembly methods are recommended for users' reference.

1: 自然冷却安装方式：Natural cooling installation:

用户设计系统时，可采用自然冷却散热方式，见图一。要求有一定空间以便空气能顺向对流，若电源使用功率较大，还可加装散热器或采用强迫风冷。

When designing the system, users can adopt natural cooling and heat dissipation, as shown in figure 1. The

requirement has certain space so that air can forward convection, if power source USES power bigger, still can add radiator or use forced air to cool.



2. 直接利用系统外壳底面散热的安装方式:

Directly use the installation method of heat dissipation on the bottom surface of the system shell:

若用户系统中空间较小, 可直接利用外壳散热, 如图二所示。因模块直接利用系统外壳散热, 所以一定要保证无间隙装配。

If the space in the user system is small, the shell can be directly used to dissipate heat, as shown in figure 2. Because the module directly USES the heat dissipation of the system shell, it must ensure that there is no clearance assembly.

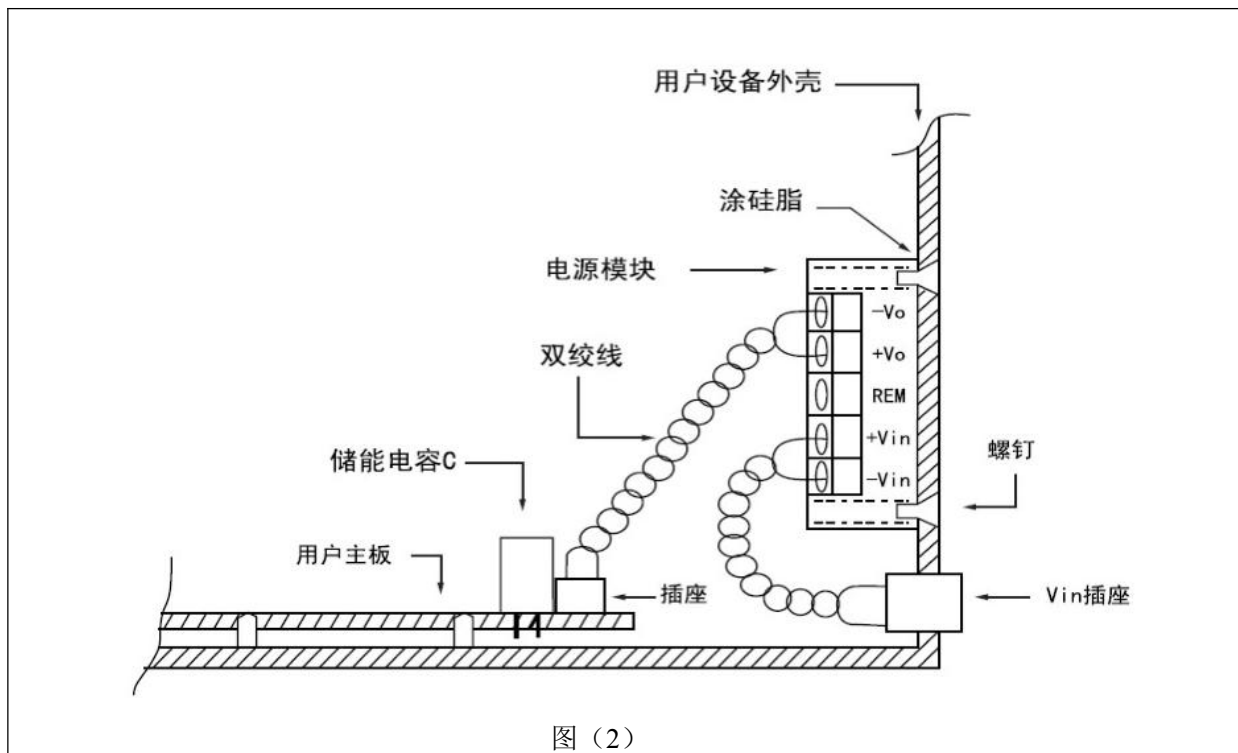


图 (2)

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.

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