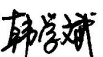




FOR APPROVAL

承认书

产品名称/Type	Constant Voltage LED Lighting Power Supply	
产品型号/Model	ESL150-12PC	
产品编码/ Product code:		
输入电压/Input voltage	<input type="checkbox"/> 100-120VAC <input type="checkbox"/> 200-240VAC <input checked="" type="checkbox"/> 100-240VAC <input type="checkbox"/> 其他 90-277 VAC	
输出模式/Out type	<input type="checkbox"/> 恒流/C.C <input checked="" type="checkbox"/> 恒压/C.V	
绝缘等级/Insulation	<input type="checkbox"/> Class I <input checked="" type="checkbox"/> Class II	
防护等级/IP Grade	<input type="checkbox"/> IP20 <input type="checkbox"/> IP65 <input checked="" type="checkbox"/> IP 67	
安装方式/Installation	<input checked="" type="checkbox"/> 独立式/Independent <input type="checkbox"/> 内装式/build-in <input type="checkbox"/> 插墙式/Plug-in	
RoHS	符合欧盟 RoHS 要求 Conform to RoHS	
客户/CUSTOMER		
客户编号/ Customer part NO.		
客户认可回签(章) AUTHORIZED SIGNATURE &COMPANY CHOP		
编制/Drew up by:		日期 2012.10.23
批准/Approved by:		日期 2012.10.23


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DZ-YF3-002-02D

一. KEY FEATURES (产品特点)

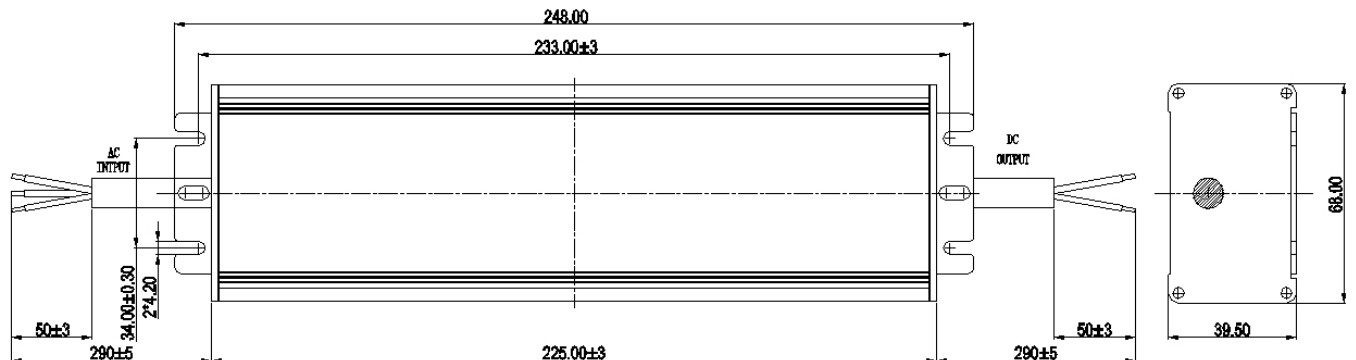
<p>KEY FEATURES (产品特点)</p> <ul style="list-style-type: none"> ▲ Range of input voltage (90-264VAC) (输入电压范围 90-264V) ▲ Integrated PFC function (带有 PFC 功能) ▲ Free Air Convection (自然空冷) ▲ Protections: short circuit/over load/over voltage/over temperature (保护功能: 短路/输出过载/输出过压/过温) ▲ 5-Years Product Warranty (5 年产品保证) ▲ APPLICATIONS : LED lighting and moving sign applications (应用领域: LED 照明与电子字幕屏等多个领域。) 	<p>Picture(产品图片)</p> 
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二.ELECTRICAL SPECIFICATIONS (电气规格)

Max. Output Wattage (最大输出功率)		150W
Input (输入特性)	Rated input voltage(额定输入电压范围)	100-240VAC
	Range of input voltage (输入电压范围)	90-264VAC
	Frequency(Hz) (输入频率范围)	47-63Hz
	Power Factor(功率因素)	PF≥0.92 @Full Load ,230VAC
	Current (Full load) (输入电流在输出满载时)	≤3A RMS. (110VAC)
	Unload Power Consumption(空载功耗)	≤5W
	Inrush Current (浪涌电流)	<100A MAX.(230VAC)
Output (输出特性)	CC Mode Output (恒流模式输出特性)	
	CC Output Voltage Range (VDC) (恒流输出电压范围)	****
	CC Rated Output Current (恒流额定输出电流)	***
	Output Current Accuracy(输出电流精度)	***
	CV Mode Output (恒压模式输出特性)	
	CV Rated Output Voltage (恒压输出电压)	12V
	Voltage Accuracy (电压精度)	±5%
	Line Regulation(输入电压调整率)	±2%
	Load Regulation(负载调整率)	±5%
	Maximum Load(最大载)	12.5A
	Minimum Load(最小载)	0A
	Hold-up Time(输出保持时间)	>8ms @Full Load ,230VAC
	Ripple & Noise (max) (纹波与噪声) Note. 2	<200mVp-p
	Efficiency(Typ.) (典型效率)	≥88% @Full Load ,230VAC
	Turn-on Delay Time(开机延迟时间)	3S/230VAC
Rise Time (上升时间)	<200 ms	
Fall Time (下降时间)	<80 ms	
Dynamic Response(动态响应)	undershoot or overshoot<10%	
	Output load:25%-50%-25% 1A/uS	
Over Load(输出过载)		>110% rated output power

Protection (保护特性)		Protection type: auto recovery(保护类型:自动恢复)
	Over Voltage Protection(输出过压保护)	15~20V
		Protection type : Auto recovery (保护类型: 自动恢复)
	Short circuit Protection(短路保护)	Protection type: Auto recovery (保护类型: 自动恢复)
Over Temperature(过温保护)	Protection type: Auto recovery (保护类型: 自动恢复)	
withstand voltage (耐 压)	Input-Output (V. AC) (输入-输出)	3750V
	Input-FG (V. AC) (输入-地)	1500V
	Output-FG (V. AC) (输出-地)	500V
	Leakage Current(泄漏电流)	<1mA@240VAC/50Hz
Isolation resistance (绝缘阻抗)	Input-Output (V. AC) (输入-输出)	$\geq 4M\Omega @500Vdc$
	Input-FG (V. AC) (输入-地)	$\geq 4M\Omega @500Vdc$
	Output-FG (V. AC) (输出-地)	$\geq 4M\Omega @500Vdc$
Environment (环境特性)	Operating Temperature(工作温度)	-40℃~70℃ (见降额曲线)
	Storage Temperature(存储温度)	-40℃...+75℃
	Temperature Coefficient(温度系数)	$\pm 0.03\%/^{\circ}C(0-50^{\circ}C)$
	Humidity(湿度)	95%RH
	MTBF	>50,000h @25℃(MIL-HDBK-217F)
	Vibration(振动)	10-500Hz,2G 10min./1cycle,60min.each along X,Y,Z axes
Others(其它)	Dimension (尺寸) (L×W×H)	
Safety & EMC (安规与 电磁兼容)	Safety standards (安全标准)	UL61347,EN61347
	EMI (Conducted & Radiated Emission) (传导与辐射干扰)	EN55015 class B、 EN61000-4-5、 IEC61000-3-2
Note(备注)	<p>1:All parameters NOT specially mentioned are measured at 230VAC input, rated and 25℃ of ambient temperature(所有的参数无特别说明的都是在额定的输入交流 230V 和 25℃ 的环境温度下测得)</p> <p>2.Ripple & Noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uF & 47 uF parallel capacitor.(纹波与噪声测试的标准:用双绞线测试在 300mm 处并联 0.1uF 与 47 uF 的电容,示波器用 20MHz 带宽)</p>	

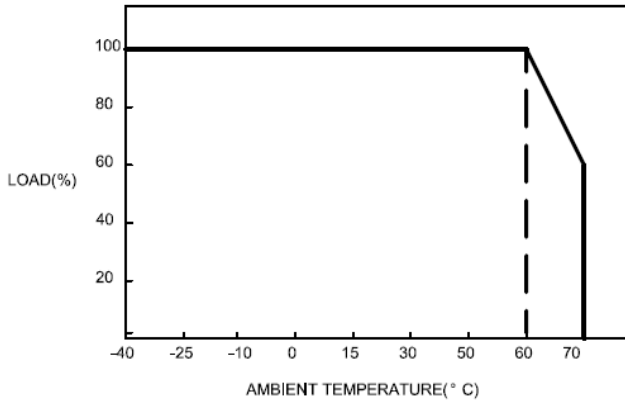
三. MECHANICAL SPECIFICATIONS (机械规格)



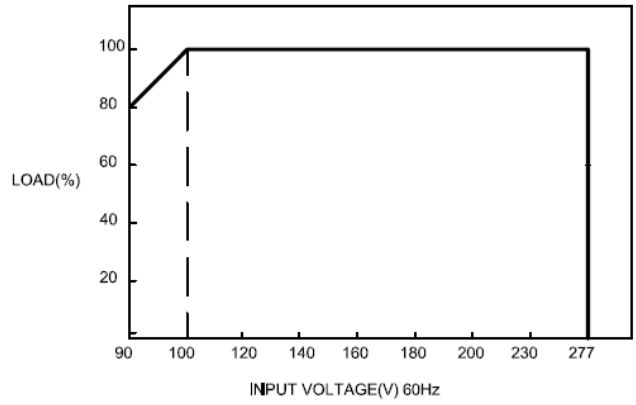
注: 输出线材长度可以根据客户要求更改

四.DERATING(降额曲线)

A. 环境温度与负载曲线



B. 输入电压与负载曲线



五、DESCRIPTIONS OF CHANGE (变更描述)

变更项目 ITEM	变更前 BEFORE	变更后 AFTER	版本 Version	变更日期 DATE