



РФ
Тел./факс многоканальный:
+7 (495) 402-2-103
РБ
Тел./факс многоканальный:
+375 (17) 391-0-333

E-mail: ips@alider.by
www.alider.by

FOR APPROVAL


承认书

产品名称/Type	LED Lighting Power Supply	
产品型号/Model	ESL100-143PC	
产品编码/ Product code:		
输入电压/Input voltage	<input type="checkbox"/> 100-120VAC	<input type="checkbox"/> 220-240VAC
	<input checked="" type="checkbox"/> 100-240VAC	<input type="checkbox"/> 其他 VAC
输出模式/Out type	<input checked="" type="checkbox"/> 恒流/C.C	<input type="checkbox"/> 恒压/C.V
绝缘等级/Insulation	<input checked="" type="checkbox"/> Class I	<input type="checkbox"/> Class II
防护等级/IP Grade	<input type="checkbox"/> IP20	<input checked="" type="checkbox"/> IP65 <input type="checkbox"/> IP_67
安装方式/Installation	<input checked="" type="checkbox"/> 独立式/Independent <input type="checkbox"/> 内装式/built-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:	邵义元	日期 Date
批准/Approved by:	黎志铭	日期 Date

EAGLERISE ELECTRIC & ELECTRONIC (CHINA) CO., LTD.

Add: Gui cheng Sci-Tech Industrial Park, Jian ping Road, Nan hai District, Fo shan City, Guang dong Province, P.R. China

一. KEY FEATURES (产品特点)

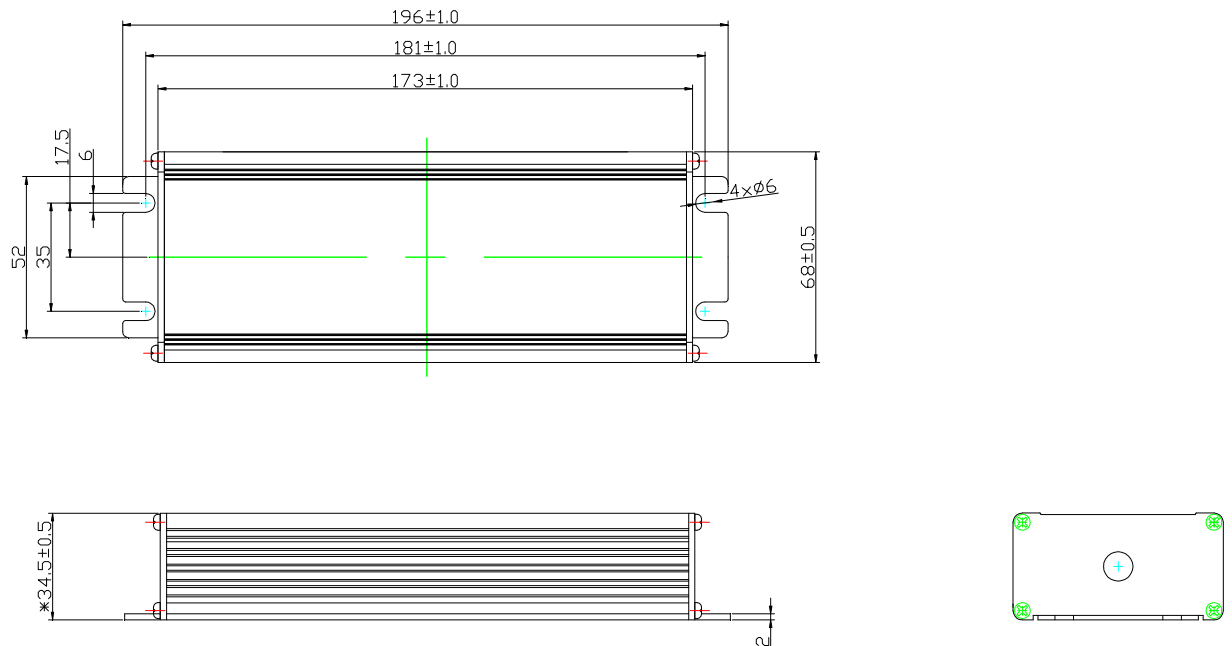
<p>KEY FEATURES (产品特点)</p> <ul style="list-style-type: none"> ▲Universal Input(90-264VAC) (全范围交流输入电压 90-264VAC) ▲Integrated Active PFC function (带有主动 PFC 功能) ▲Free Air Convection (自然空冷) ▲Protections: short circuit/over load/over voltage/over temperature (保护功能: 短路/输出过载/输出过压/过温) ▲5-Years Product Warranty (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)		100W
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)	47-63 Hz
	Power Factor(功率因素)	PF \geq 0.95 @Full Load ,230VAC
	Input Current max (最大输入电流)	1.5A max. @Full Load ,100VAC ;
	Start-up time(启动时间)	<2S @Full Load ,
	Unload Power Consumption(空载功耗)	\leq 2W
	Inrush Current(浪涌电流)	55A max. @Full Load,240VAC
Output (输出特性)	Voltage(VDC) (输出电压范围)	86V-143V. @ 90-264VAC
	Output current max. (最大输出电流) (A)	0.7A. @90-264VAC
	Output Current Accuracy(输出电流精度)	\pm 3%
	Load Regulation (负载调整率)	\pm 2%
	Ripple Current (max) (纹波电流)	<70mA _{p-p} @ 90-264VAC
	Efficiency(Typ.)(典型效率)	\geq 88% @ Full Load,240V
Protection (保护特性)	Over Load Protection (过载保护)	105-150% rated output power 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/5mA /1min
	Input-FG(V.AC)(输入-地)	1500V/5mA /1min
	Output-FG(V.AC)(输出-地)	NA
	Leakage Current(泄漏电流)	<0.70mA(240VAC)
Isolation resistance (绝缘阻抗)	Input-Output(V.AC)(输入-输出)	\geq 4Mohms/500vdc
	Input-FG(V.AC)(输入-地)	NA
	Output-FG(V.AC)(输出-地)	NA
	Operating Temperature(工作温度)	-40 $^{\circ}$ C...+70 $^{\circ}$ C (Refer to output load derating curve)

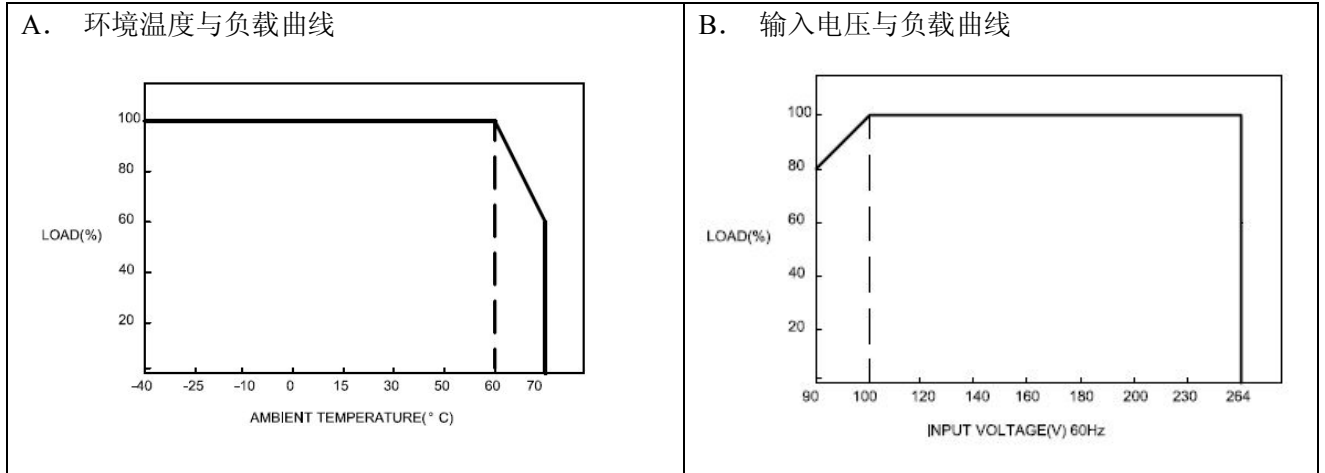
Environment (环境特性)	Cooling condition (冷却条件)	free convection	
	Storage Temperature(存储温度)	-40°C...+80°C	
	Temperature Coefficient(温度系数)	±0.03%/°C(0-50°C)	
	Humidity(湿度)	95%RH	
	MTBF	>250,000h @25°C(MIL-HDBK-217F)	
	Vibration(振动)	10-500Hz,2G 10min./1cycle,60min.each along X,Y,Z axes	
Others (其它)	Dimension (尺寸)(LXWXH)	196 * 68 * 35 (LXWXH) mm	
Safety & EMC (安规 与电磁兼容)	Approval(认证)	CE	
	Safety standards (安全标准)	EN61347 UL61347	
	EMI(Conducted & Radiated Emission) (传导与辐射 干扰)		EN55015 class B
			EN61000-3-2 Class C
			EN61000-3-3
EMS (电磁兼容抗扰度)	EN55024; EN 61000-4-2——准:空气放电 8KV; 接触放电 4KV; Performance Criteria B EN 61000-4-5 ——4KV for 线-地; 2KV for 线-线; Performance Criteria C		
Note (备注)	<p>1:All parameters NOT specially mentioned are measured at rated input or max rated input , and 25°C of ambient temperature(所有的参数无特别说明的都是在额定输入电压或者是额定输入电压的上限值和 25°C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 的电容器,示波器用 20MHz 带宽)</p>		

三. MECHANICAL SPECIFICATIONS (机械规格)



注: 输入输出线材长度可以根据客户要求更改

四、DERATING (降额曲线)



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