

 广东东菱电源科技有限公司 Guangdong DonePower Technology Co., Ltd 广东省中山市横栏镇康龙三路3号东菱工业园 咨询热线: 400-0760-585 WWW.DONEPOWER.COM.CN	产品类型	室内 LED 驱动电源 LED INTEGRATED SPECIAL DRIVER		
	产品系列	DL-5W-L 系列	REV	1.4

广东东菱照明科技有限公司

客户承认书

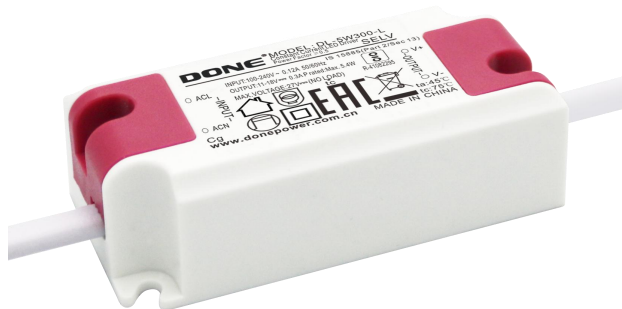
SPECIFICATION FOR APPROVAL

CUSTOMER/客户名:			
MODEL NO. /产品型号:	DL-5W-L		
Rev. /版本号:	REV1.4		
SAMPLE DATE/送样日期:			
客户确认栏			
MADED BY 制作	CHECKED BY 审核	APPROVED BY 批准	
客户备注			
Please return to us one copy of "SPECIFICATION FOR APPROVAL" with you approved signature. /客户确认签章后请回传一份承认书给我公司.			
东菱确认栏			
MADED BY 制作	CHECKED BY 审核	APPROVED BY 批准	
Zhongshan Done Lighting Technology Co., Ltd. 中山市东菱照明科技有限公司 No. 3-1&3-2, Kanglong 3rd Road, XinMao Industry Zone, Henglan Town, Zhongshan City, Guangdong Province, P. R. China Post code:528478 地址: 广东省中山市横栏镇新茂工业区康龙三路3号之一之二 邮编: 528478 TEL:0760-89838399 89838379 FAX:0760-89831157 89838396			

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FEATURES 产品特点

- ◇ Class II Driver
Class II结构驱动
- ◇ Input voltage:100-240V ~ 50/60Hz
输入:100-240V ~ 50/60Hz
- ◇ Eff.>74% @230Vac Full load
输入为 230Vac , 输出满负载, 效率大于 74%
- ◇ Lightning Surge Differential Mode $\pm 1\text{KV}$ (2 ohm) .
Class II (line to neutral) (IEC61000-4-5 2014)
雷击浪涌等级为差模 L-N Class II $\pm 1\text{KV}$ (2 ohm)
参照 IEC61000-4-5 2014
- ◇ Double 75 test pass (15 days) @230Vac Full load
可通过双 75 测试 (15 天) @230Vac 满载
- ◇ The LED DRIVER shall be applied 1500Vac for 60 seconds (HI – POT)
该 LED 驱动 I/P-O/P 耐压可达 1500Vac 持续 60S
- ◇ Long life design warranty for 2years
长寿命设计, 质保 2 年
- ◇ Applied in:Ceiling lamp,lamp,lamp and other indoor lighting lamp guide
应用于: 天花灯、面板灯、导轨灯等室内照明灯具
- ◇ 本产品适用于印度市场



MODEL LIST 型号列表

型号 (Model NO)	Input Voltage 输入电压	Output Voltage 输出电压	Output Current 输出电流	效率 Efficiency	
				115Vdc	230Vdc
DL-5W300-L	100-240Vac 50/60Hz	13-18Vdc	300mA	74%	74%

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■ ELECTRICAL SPECIFICATION 电气规格

◇Input Characteristics 输入特性

RATED INPUT VOLTAGE 额定输入电压	100 - 240Vac
RATED FREQUENCY 额定频率	50/60Hz
POWER FACTOR 功率因数	/
THD 总谐波失真	/
AC INPUT CURRENT AC 输入电流	0.12A Max
INRUSH CURRENT(max.) 浪涌电流(最大)	Cold Start (25℃) 70A @230Vac 冷启动 (25℃) 70A @230Vac

◇Output Characteristics 输出特性

Model NO.	DL-5W300-L
RATED CURRENT 额定电流 (m A)	300mA
CONSTANT CURRENT REGION 电流范围	270-310mA
VOLTAGE RANGE 电压范围 (V dc)	13-18Vdc
RATED POWER 额定功率	5.4W
NO LOAD VOLTAGE 空载电压(V dc)	≤27Vdc
EFFICIENCY(Typ.) 效率(Typ.)	74%@230Vac Full Load
RIPPLE OF THE OUTPUT CURRENT 输出电流纹波	/
CURRENT TOLERANCE 电流精度	±5%
LINE REGULATION 线性调整率	±5%
LOAD REGULATION 负载调整率	±7%
SETUP TIME 启动时间	<500ms @230VAC Full load

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◇Protection 保护

OVER CURRENT (Typ.) 过载	95 - 105% Protection type : Constant current limiting, recovers automatically after fault condition is removed 保护模式:恒电流限制模式, 负载异常条件移除后可自动恢复
SHORT CIRCUIT 短路	Hiccup mode, recovers automatically after fault condition is removed 打嗝模式,异常条件移除后可自动恢复
OVER VOLTAGE 过电压	Protection type : hiccup or when it is at the highest point of output voltage the product would not be hurt when the fault is excluded or is start working again the power supply is working normally 保护模式:打嗝或钳在某输出最高电压状态,产品不受损伤,当故障排除或重新起机时,电源工作正常

NOTE :

- 1) All parameters NOT specially mentioned are measured at 220VAC input, rated load and 25°C of ambient temperature.

如未特别说明, 所有规格参数均在 220Vac (50Hz) 输入, 额定负载, 环境温度 25°C 的条件下进行测量

- 2) Tolerance : includes set up tolerance, line regulation and load regulation.

包含设定误差、线性调整率和负载调整率。

- 3) Constant current operation region is within 50%-100% rated output voltage. This is the suitable operation region for LED related applications.

恒流模式在额定输出电压 50%-100%情况下运行, 适用 LED 等相关产业。

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■INSTALLATION METHOD 安装方法：

Please install according to the correct installation diagram for LED Driver.

LED 驱动电源请按照正确的安装示意图安装，见图一、图二。

Notice

注意事项：

1.Require any side to be at least 200mm away from the wall with LED Driver, Ensure ventilation and cooling of LED Driver.

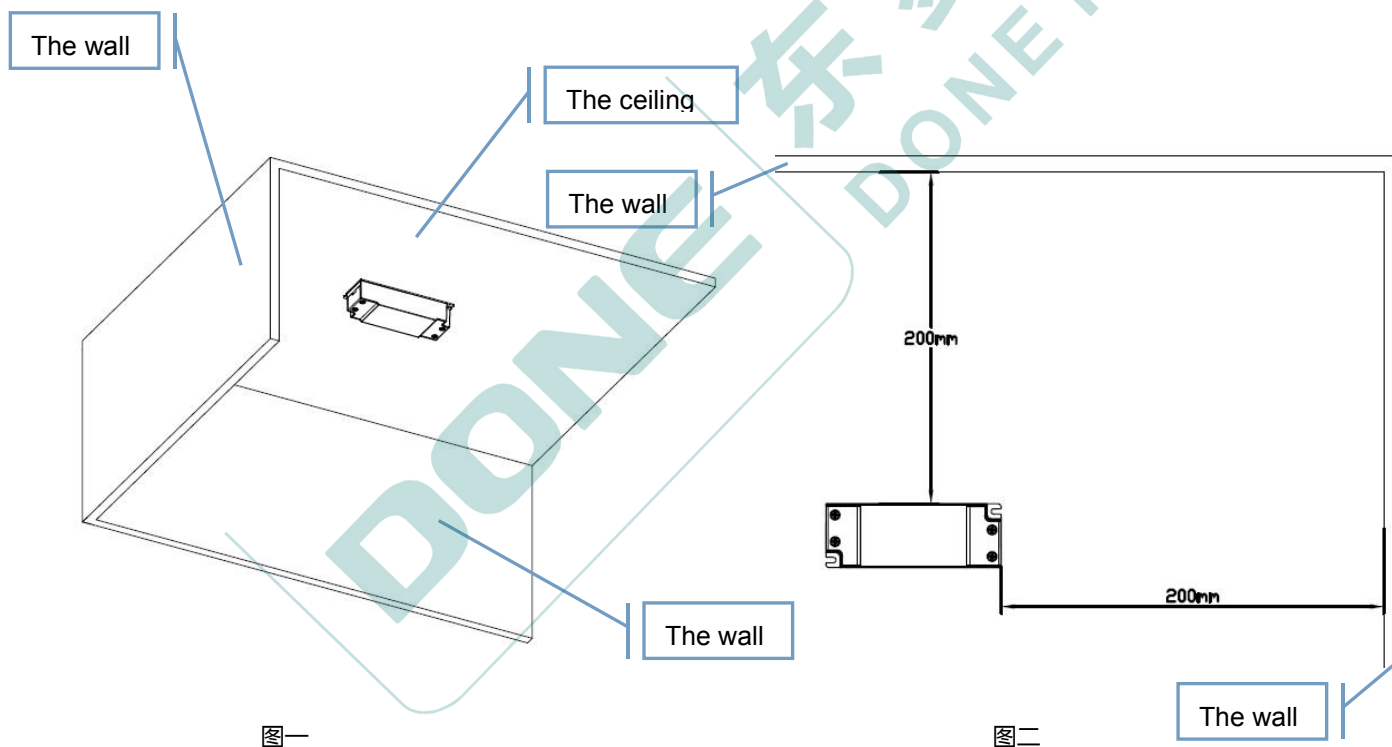
要求电源的任何侧面与墙体至少保留 200mm 的距离，以保证电源通风散热，见图二；

2.The base case of the LED Driver is required to be fixed with the ceiling. After LED Driver is fixed, the factory's rating plate is clearly displayed.

要求电源的底壳与天花板接触安装固定，电源固定后出厂的铭牌清晰展现出来，见图一；

3.It is not installed as required at point 1, 2. Both are considered error installations.

未按照第 1、2 点的要求安装，均视为错误安装。



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■ ENVIRONMENT 环境

WORKING TEMP. 工作温度	-25 - +45°C(Refer to "Derating Curve") -25 - +45°C (参考 减额曲线)		
WORKING HUMIDITY 工作湿度	20 - 95% RH non-condensing 20 - 95% RH,无冷凝		
STORAGE TEMP, HUMIDITY 储存温度、湿度	-25 - +75°C, 10 - 95% RH		
VIBRATION 耐振动	10 - 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes X、Y、Z 轴各 72 分钟	10 - 500Hz, 5G 12 分钟/周期,	
WITHSTAND VOLTAGE 耐压	I/P-O/P: 1.5KVAC		
ISOLATION RESISTANCE 绝缘阻抗	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH		
MTBF	50K hrs min.	MIL-HDBK-217F (25°C)	

■ SAFETY & EMC 安全与电磁兼容

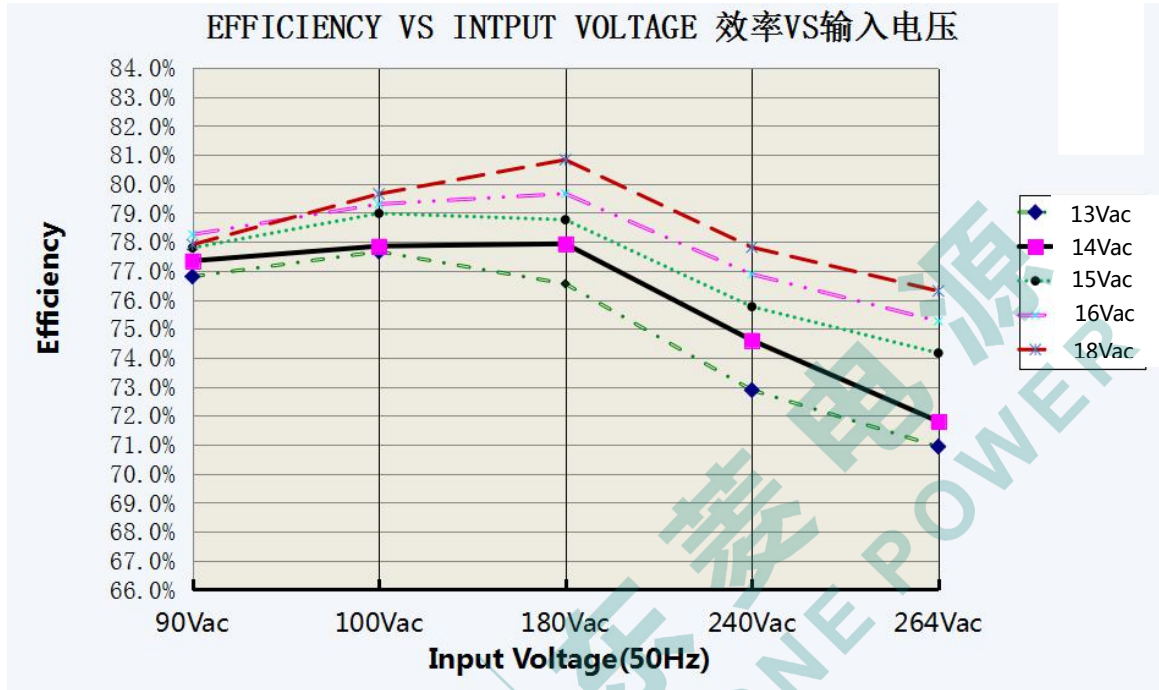
Safety 安全	/		
EMC 电磁兼容	/		
LIGHTNING SUGER 雷击浪涌	Differential Mode ±1 KV (2 ohm) . Class II (line to neutral) (IEC61000-4-5 2014) 雷击浪涌等级为差模 L-N Class II ±1 KV (2 ohm) (IEC61000-4-5 2014)		
LEAKAGE CURRENT 漏电流	<5mA / 230Vac		

NOTE :

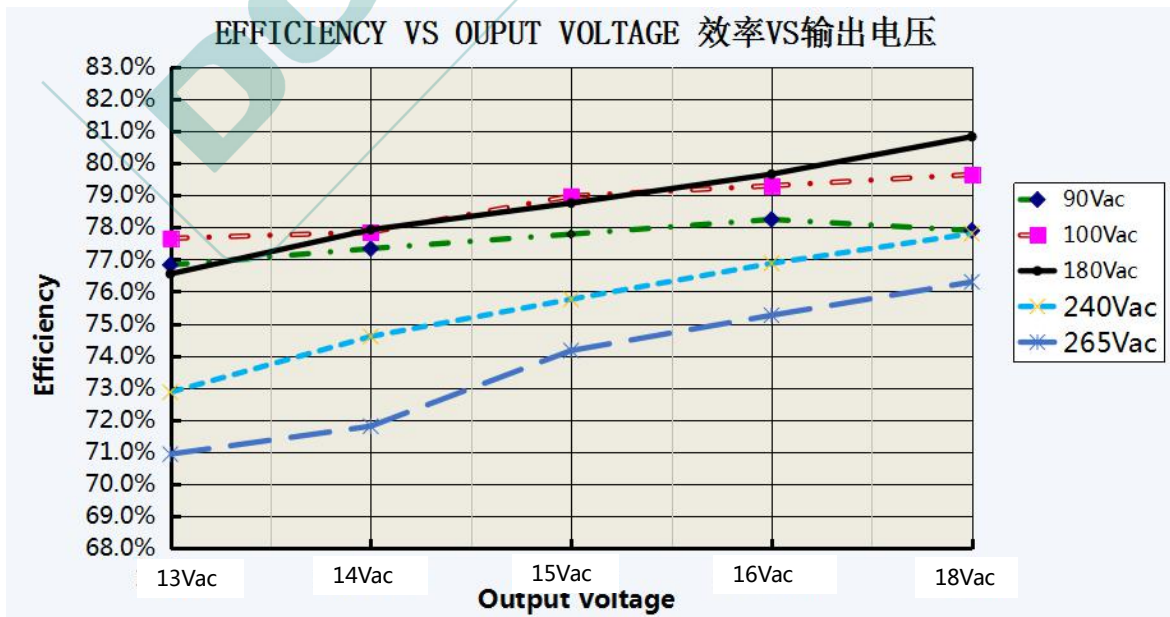
The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.

电源作为一个元件与终端设备使用，因为 EMC 受整套装置的影响，终端设备制造商需对整套装置重新进行 EMC 确认。

■ EFFICIENCY VS INPUT VOLTAGE 效率 VS 输入电压 (DL-5W300-L)

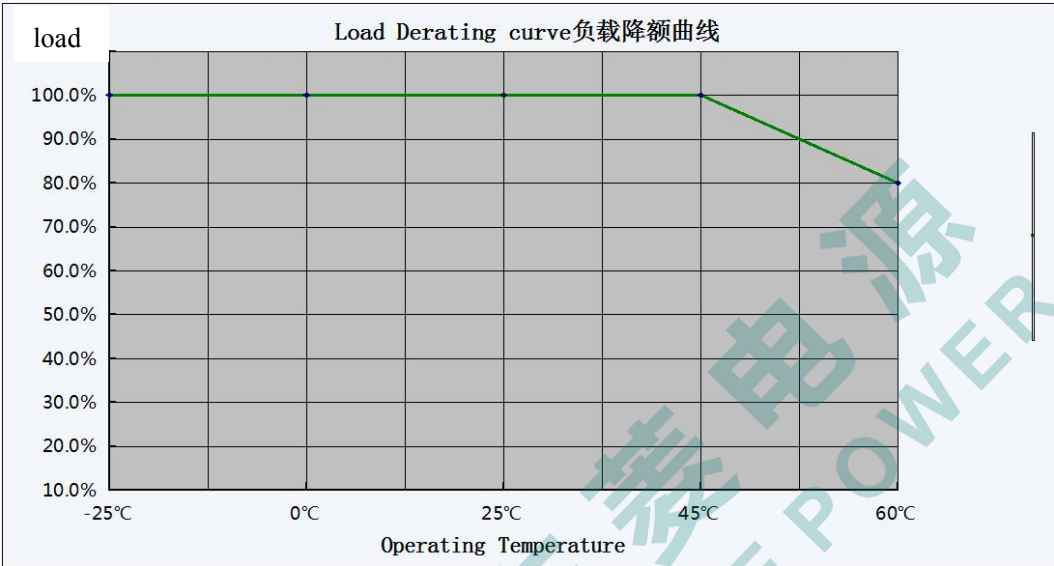


■ EFFICIENCY VS OUTPUT VOLTAGE 效率 VS 输出电压 (DL-5W300-L)

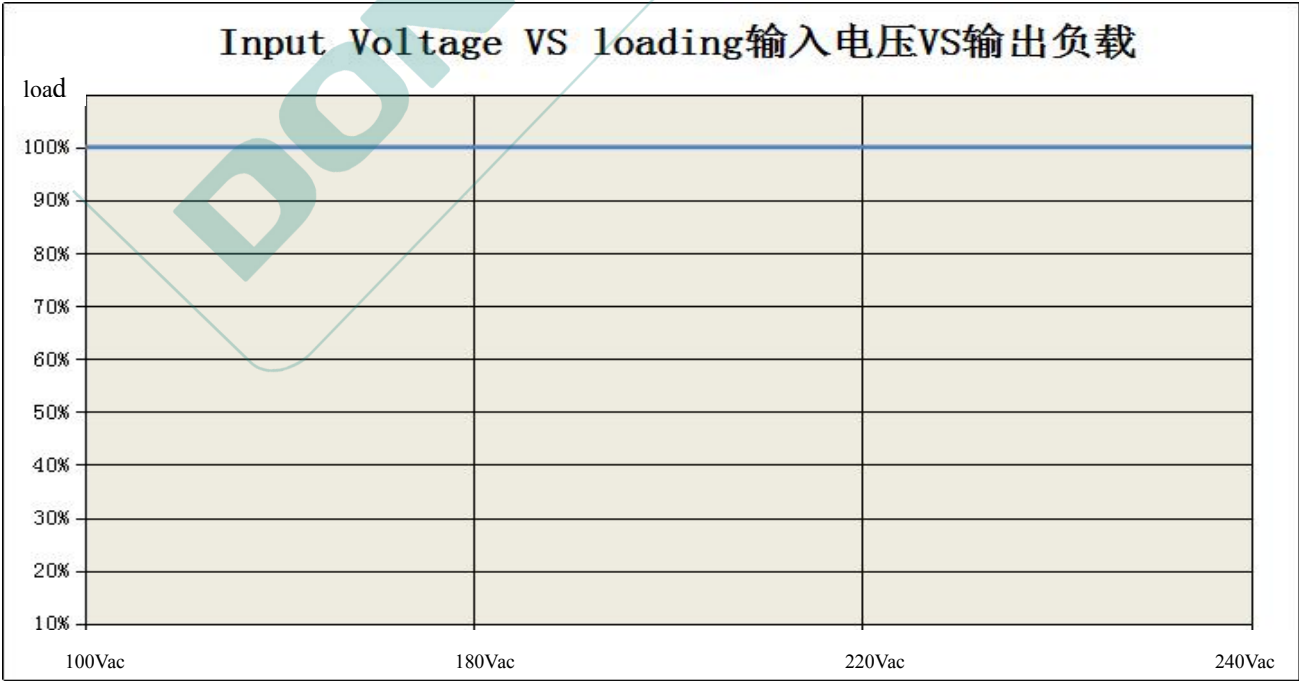


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■ LOAD DERATING CURVE 降额曲线 (DL-5W300-L)



■ INPUT VOLTAGE VS LOADING 输入电压 VS 输出负载 (DL-5W300-L)



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EMI CURVEVS EMI 曲线 (DL-5W300-L)

Radiation 辐射 (Input: 240Vac/50Hz)

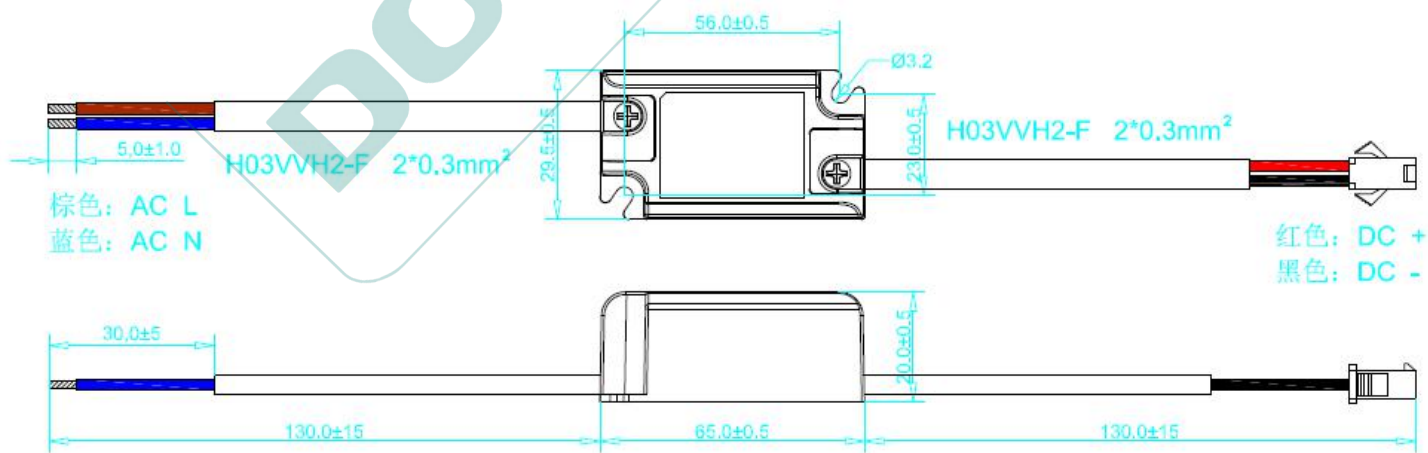
无

Conduction 传导 (Input: 240Vac/50Hz)

无

MECHANICAL SPECIFICATION & PACKING 机械尺寸图 & 包装:

DIMENSION 尺寸 (mm)	65*29.5*20mm
PACKING 包装	/

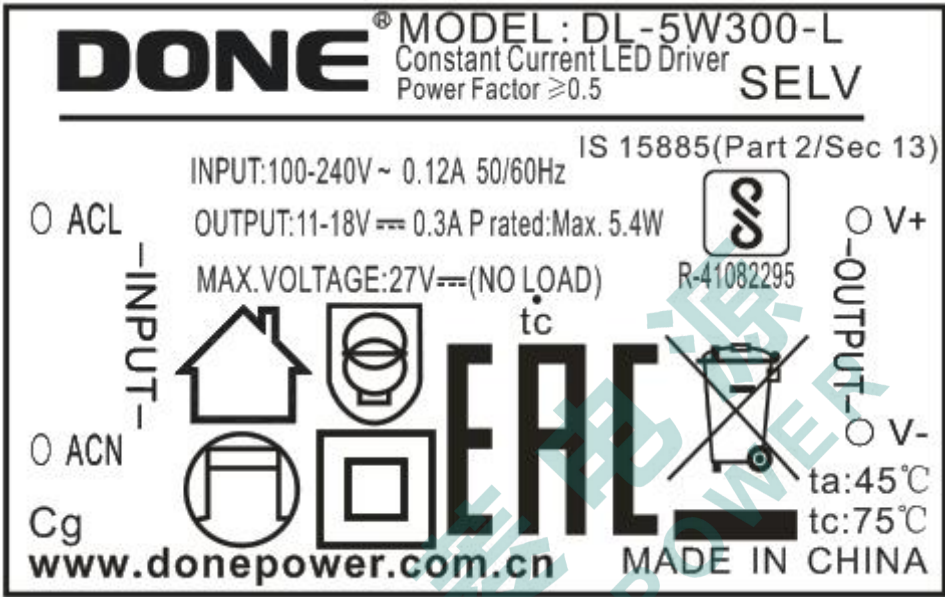


MONOMER WEIGHT 单体重量

MONOMER WEIGHT 单体重量	30g
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■ LABELLING 标签

DL-5W300-L	
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