

中山市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-12W-L
Rev./版本号	REV1.0
SAMPLE DATE/送样日期:	

客户确认栏

TESTED BY 检查	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

TESTED BY 检查	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

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FEATURES 产品特点

◇ Class II Driver

Class II结构驱动

◇ Input voltage:100~277Vac 50Hz/60Hz

输入:100~277Vac 50Hz/60Hz

◇ Eff.>83% @230Vac Full load

输入为 230Vac，输出满负载，效率可达 83%

◇ Surge Differential Mode+/- 1.0 KV (2 ohm).

Class II (line to neutral) (IEC61000-4-5 2014)

浪涌等级为差模 L-N Class II +/- 1.0KV (2 ohm)

参照 IEC61000-4-5 2014

◇ Double 75 test pass (15 days)

可通过双 75 测试 (15 天)

◇ 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

◇ life design warranty for 3years

寿命设计，质保 3 年

◇ Applied in:Ceiling lamp, Panel lamp, Track 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



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	效率 Efficiency	功率因数 (PF)
				115Vdc	230Vdc	230Vdc
DL-12W300-L	100~277Vac 50/60Hz	21-42Vdc	300mA	82%	85%	>0.5
DL-12W350-L		21-36Vdc	350mA			
DL-12W600-L		11-22Vdc	600mA	80%	83%	>0.5
DL-12W700-L		11-18Vdc	700mA			

■ ELECTRICAL SPECIFICATION 电气规格

◇Input Characteristics 输入特性

INPUT VOLTAGE RANGE 输入电压范围	90 ~ 305Vac
FREQUENCY RANGE 频率范围	47-63Hz
POWER FACTOR 功率因数	>0.5
AC CURRENT 交流电流	0.25A max.@115Vac full load
INRUSH CURRENT(max.) 浪涌电流(最大)	Cold Start 55A @230Vac full load

◇Output Characteristics 输出特性

Model NO.型号	DL-12W300-L	DL-12W350-L	DL-12W600-L	DL-12W600-L
RATED CURRENT 额定电流 (m A)	300mA	350mA	600mA	700mA
CONSTANT CURRENT REGION 电流范围	285~315mA	332~368mA	570~630mA	665~735mA
VOLTAGE RANGE 电压范围 (V dc)	21~42Vdc	21~36Vdc	11~22Vdc	11~18Vdc
RATED POWER 额定功率	12.6W	12.6W	13.2W	12.6W
OVER VOLTAGE 过电压(V dc)	45-50 Vdc		25-28 Vdc	
EFFICIENCY(Typ.) 效率(Typ.)	>85%@230Vac Full Load		>83%@230Vac Full Load	
RIPPLE OF THE OUTPUT CURRENT 输出电流纹波 (LED)	≤5%			
CURRENT TOLERANCE 电流精度	±5%			
LINE REGULATION 线性调整率	±3%			
LOAD REGULATION 负载调整率	±3%			
SETUP TIME 启动时间	<1000ms @ 115Vac full load <500ms @ 230Vac full load			

◇Protection 保护

OVER CURRENT (Typ.) Note.4 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
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	产品类型	东菱 LED 室内驱动电源 DONE LED INTEGRATED SPECIAL DRIVER		
	产品系列	DL-12W-L 系列	REV	1.0

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 230VAC input, rated load and 25°C of ambient temperature.
如未特别说明,所有规格参数均在 230Vac (60Hz) 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, 适用行 LED 等相关产业

ENVIRONMENT 环境

WORKING TEMP. 工作温度	-25 ~ +40°C(Refer to "Derating Curve") -25 ~ +40°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 10 ~ 500Hz, 5G 12 分钟/周期, X、Y、Z 轴各 72 分钟
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)

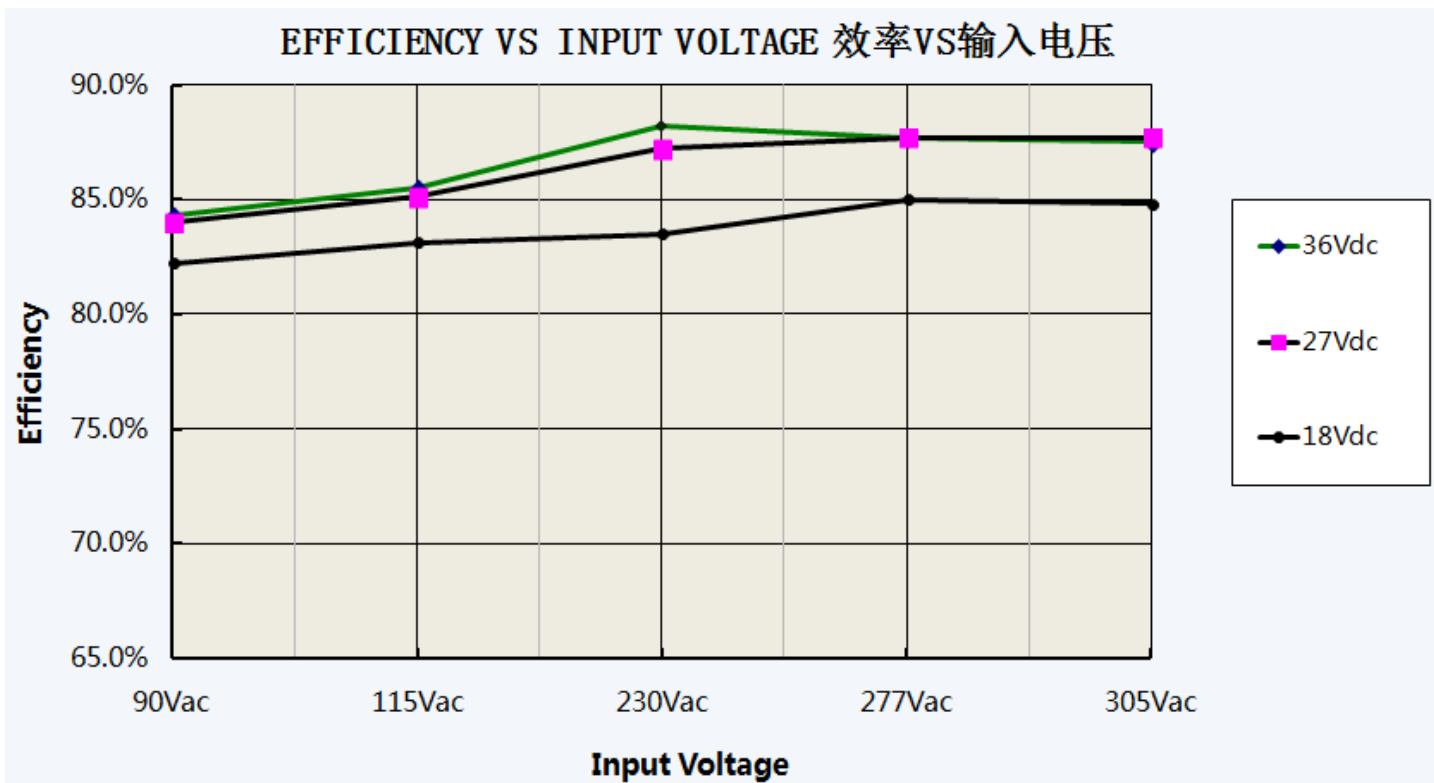
SAFETY & EMC 安全与电磁兼容

SUGER 浪涌	Differential Mode+/- 1.0 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 +/- 1.0 KV (2 ohm) (IEC61000-4-5 2014)
LEAKAGE CURRENT 漏电流	/

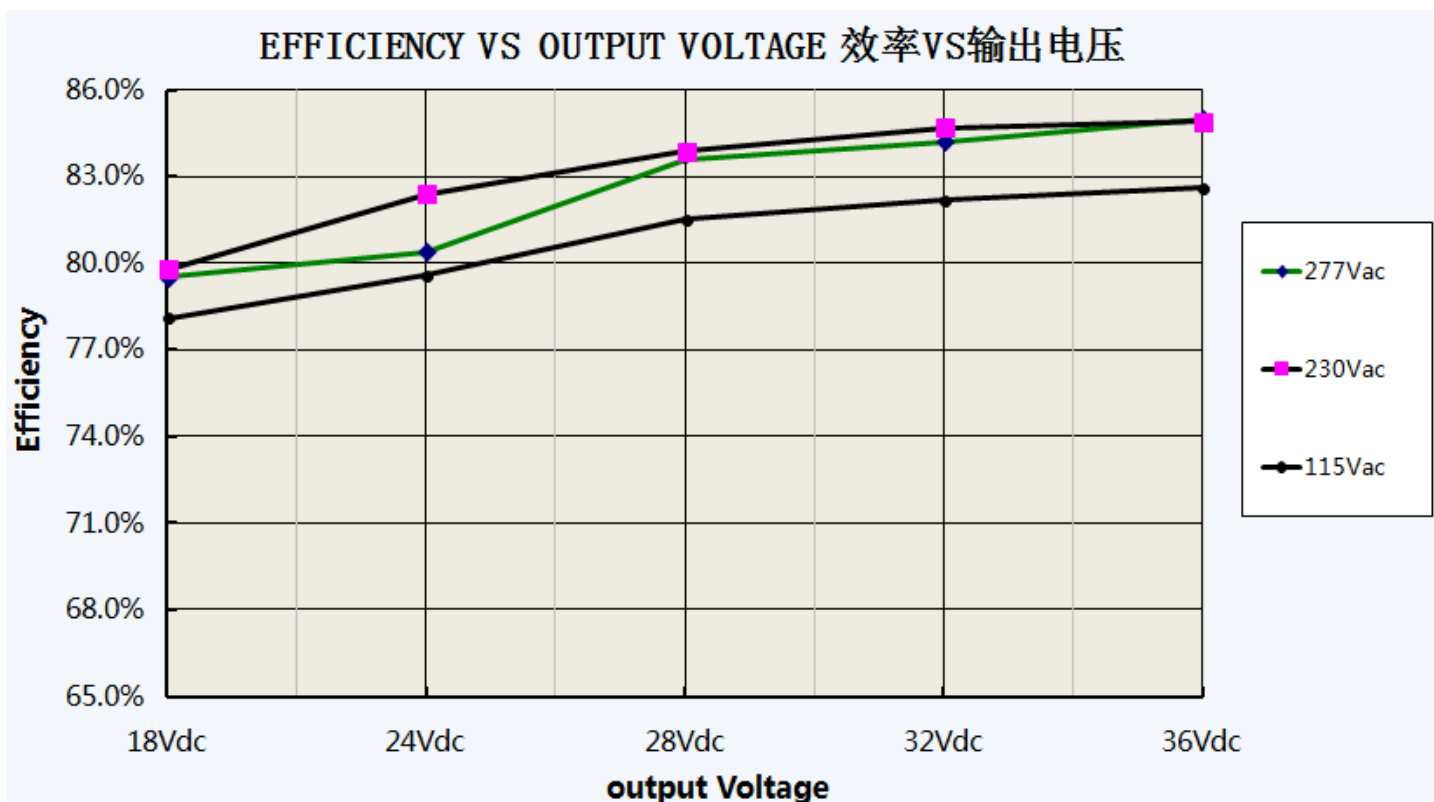
NOTE :

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。

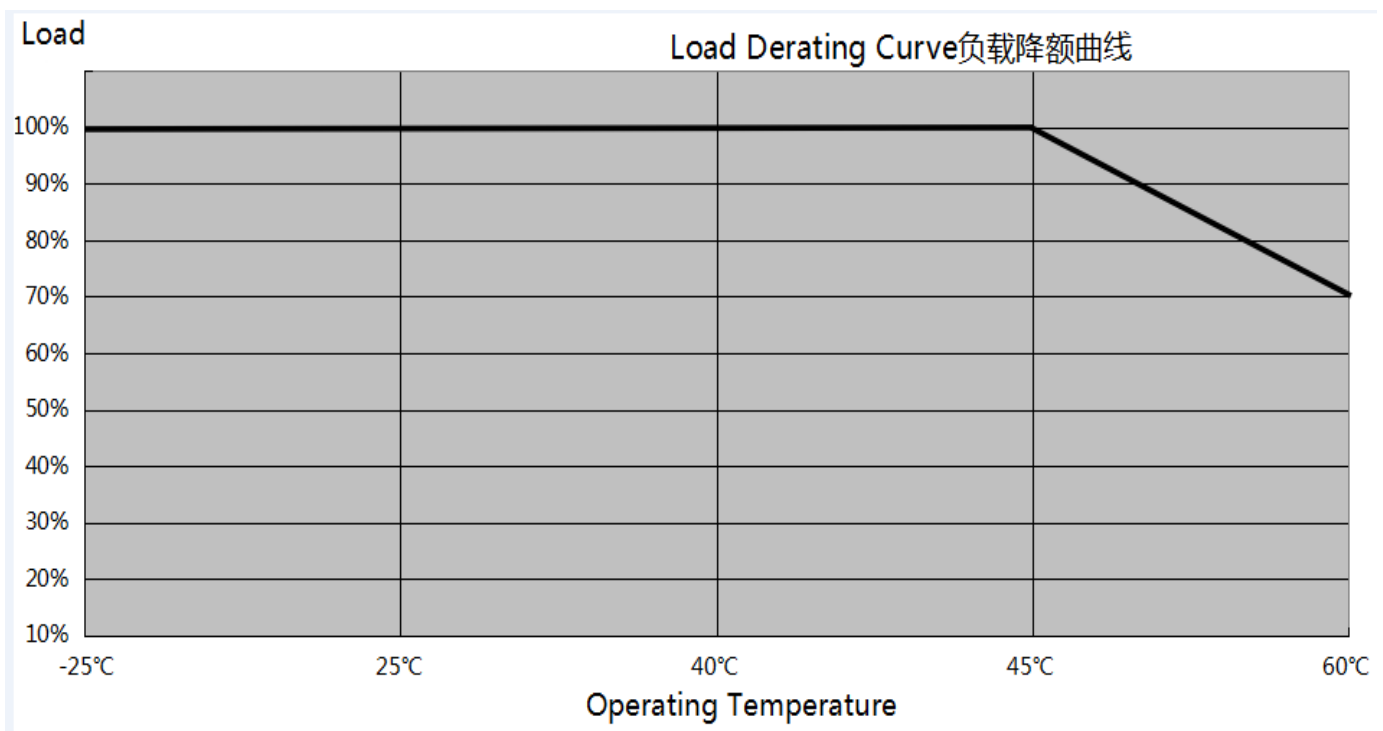
EFFICIENCY VS INPUT VOLTAGE 效率 VS 输入电压(型号:DL-12W600-L)



EFFICIENCY VS OUTPUT VOLTAGE 效率 VS 输出电压(型号:DL-12W600-L)



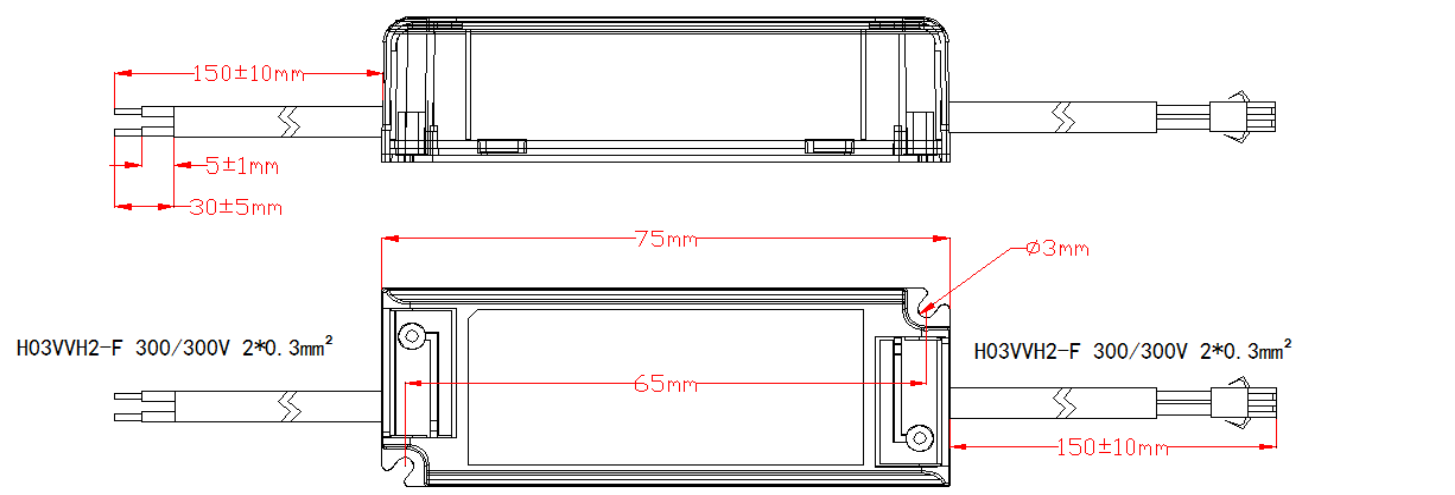
LOAD DERATING CURVE 降额曲线(型号:DL-12W600-L)



MECHANICAL SPECIFICATION & PACKING 机械尺寸图 & 包装 :

DIMENSION 尺寸 (mm)	L75*W33*H20mm
PACKING 包装	/

Case No.机壳型号 : L03 Unit 单位:mm



输入线: 2*0.3mm*15cm白色扁护套线

输入线: 2*0.3mm*15cm白色扁护套线带母端

MONOMER WEIGHT 单体重量

MONOMER WEIGHT 单体重量	35.7g
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■ LABELLING 标签

<p>DL-12W300-L</p>	<p>DONE MODEL: DL-12W300-L Constant Current LED Driver Power Factor ≥ 0.5 SELV</p> <p>INPUT: 100-277V~ 0.25A 50/60Hz</p> <p>OUTPUT: 21-42V \Rightarrow 0.3A Max: 12.6W</p> <p>NO LOAD: DC 50V</p> <p>MADE IN CHINA</p> <p>MFRS: ZHONGSHAN DONE LIGHTING TECHNOLOGY CO., LTD ADDRESS: No.2 of Kanglong 3rd Road henglan Town, Zhongshan, Guangdong, China</p>
<p>DL-12W350-L</p>	<p>DONE MODEL: DL-12W350-L Constant Current LED Driver Power Factor ≥ 0.5 SELV</p> <p>INPUT: 100-277V~ 0.25A 50/60Hz</p> <p>OUTPUT: 21-36V \Rightarrow 0.35A Max: 12.6W</p> <p>NO LOAD: DC 50V</p> <p>MADE IN CHINA</p> <p>MFRS: ZHONGSHAN DONE LIGHTING TECHNOLOGY CO., LTD ADDRESS: No.2 of Kanglong 3rd Road henglan Town, Zhongshan, Guangdong, China</p>
<p>DL-12W600-L</p>	<p>DONE MODEL: DL-12W600-L Constant Current LED Driver Power Factor ≥ 0.5 SELV</p> <p>INPUT: 100-277V~ 0.25A 50/60Hz</p> <p>OUTPUT: 11-22V \Rightarrow 0.6A Max: 13.2W</p> <p>NO LOAD: DC 28V</p> <p>MADE IN CHINA</p> <p>MFRS: ZHONGSHAN DONE LIGHTING TECHNOLOGY CO., LTD ADDRESS: No.2 of Kanglong 3rd Road henglan Town, Zhongshan, Guangdong, China</p>
<p>DL-12W700-L</p>	<p>DONE MODEL: DL-12W700-L Constant Current LED Driver Power Factor ≥ 0.5 SELV</p> <p>INPUT: 100-277V~ 0.25A 50/60Hz</p> <p>OUTPUT: 11-18V \Rightarrow 0.7A Max: 12.6W</p> <p>NO LOAD: DC 28V</p> <p>MADE IN CHINA</p> <p>MFRS: ZHONGSHAN DONE LIGHTING TECHNOLOGY CO., LTD ADDRESS: No.2 of Kanglong 3rd Road henglan Town, Zhongshan, Guangdong, China</p>