

 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	东菱 LED 室内驱动电源 DONE LED INTEGRATED SPECIAL DRIVER		
	产品系列	DL-30W-L 系列	REV	1.5

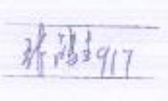
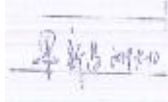
广东东菱电源科技有限公司

客户承认书

CUSTOMER/客户名:			
MODEL NO. /产品型号:	DL-30W-L		
Rev./版本号	V1.5		
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	
Guangdong Done Power Technology Co., Ltd 广东东菱电源科技有限公司 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			

 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	东菱 LED 室内驱动电源 DONE LED INTEGRATED SPECIAL DRIVER		
	产品系列	DL-30W-L 系列	REV	1.5

■ 变更履历

日期	变更原因	版本	审核
2017.9.4	初始发行版本。	V1.0	
2019.4.9	更新了公司地址及产品装配图, 在 3、4 页增加 700mA 电流型号。	V1.1	
2019.5.14	第 4 页新增输入 100-120Vac 60Hz 时的输出电流范围。	V1.2	
2019.7.26	标签更新, 标签新增 EAC。	V1.3	
2019.12.18	第 4 页 DL-30W900-L 电流范围更新为 840~945mA。	V1.4	
2021.5.22	第 4 页调整电流精度, 更新公司 logo。	V1.5	

 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	东菱 LED 室内驱动电源 DONE LED INTEGRATED SPECIAL DRIVER			
	产品系列	DL-30W-L 系列	REV	1.5	

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.>86% @230Vac Full load
输入为 230Vac，输出满负载，效率可达 86%
- ◇ Surge Differential Mode+/- 2 KV (2 ohm).
Class II (line to neutral) (IEC61000-4-5 2014)
浪涌等级为差模 L-N Class II +/- 2KV (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,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



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		功率因数 (PF)
				115VAc	230VAc	230Vdc
DL-30W900-L	100~277Vac 50/60Hz	18~36Vdc	900mA	83%	87%	>0.5
DL-30W750-L		21~42Vdc	750mA	83%	87%	>0.5
DL-30W700-L		21~42Vdc	700mA	83%	87%	>0.5
DL-30W600-L		24~48Vdc	600mA	84%	87%	>0.5
DL-30W300-L		48~96Vdc	300mA	85%	87%	>0.5
DL-30W250-L		48~96Vdc	250mA	85%	86%	>0.5

注：以上为开机后 2 分钟内测试数据。

 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	东菱 LED 室内驱动电源 DONE LED INTEGRATED SPECIAL DRIVER			
	产品系列	DL-30W-L 系列	REV	1. 5	

■ ELECTRICAL SPECIFICATION 电气规格

◇Input Characteristics 输入特性

SPECIFIED INPUT VOLTAGE 额定输入电压	100-277Vac
SPECIFIED FREQUENCY 额定频率	50/60Hz
POWER FACTOR (Typ.) 功率因数(Typ.)	>0.5
AC CURRENT (Typ.) 交流电流(Typ.)	0.6A max.@115Vac full load
INRUSH CURRENT(max.) 浪涌电流(最大)	Cold Start 54A @230Vac full load

◇Output Characteristics 输出特性

Model NO.型号	DL-30W900-L	DL-30W750-L	DL-30W700-L	DL-30W600-L	DL-30W300-L	DL-30W250-L
RATED CURRENT 额定电流 (m A)	900mA	750mA	700mA	600mA	300mA	250mA
CONSTANT CURRENT REGION @120-277Vac 50/60Hz 电流范围@120-277Vac 50/60Hz	837~963mA	697~802mA	651~749mA	558~642mA	279~321mA	232~268mA
CONSTANT CURRENT REGION @100-120Vac 60Hz 电流范围@100-120Vac 60Hz	800~945mA	690~787mA	640~735mA	550~630mA	250~315mA	230~270mA
VOLTAGE RANGE 电压范围 (V dc)	18~36Vdc	21~42Vdc	21~42Vdc	24~48Vdc	48~96Vdc	48~96Vdc
RATED POWER 额定功率	32.4W	31.5W	29.4W	28.8W	29.8W	24W
NO LOAD VOLTAGE 空载电压(V dc)	40~45 Vdc	44~49 Vdc	44~49 Vdc	55~60Vdc	98~105Vdc	98~105Vdc
EFFICIENCY(Typ.) 效率(Typ.)	87%@230Vac Full Load	87%@230Vac Full Load	87%@230Vac Full Load	87%@230Vac Full Load	87%@230Vac Full Load	86%@230Vac Full Load
RIPPLEOF THE OUTPUT CURRENT LED LOAD 输出电流纹波(LED)	≤5%					
RIPPLEOF THE OUTPUT CURRENT 输出电流纹波(电子负载)	≤30%					
CURRENT TOLERANCE 电流精度	±7%					
LINE REGULATION 线性调整率	±5%					
LOAD REGULATION 负载调整率	±5%					
SETUP TIME 启动时间	<1000ms @ 115Vac full load <500ms @ 230Vac full load					

 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	东菱 LED 室内驱动电源 DONE LED INTEGRATED SPECIAL DRIVER		
	产品系列	DL-30W-L 系列	REV	1.5

◇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
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

 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	东菱 LED 室内驱动电源 DONE LED INTEGRATED SPECIAL DRIVER		
	产品系列	DL-30W-L 系列	REV	1.5

■ 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)	

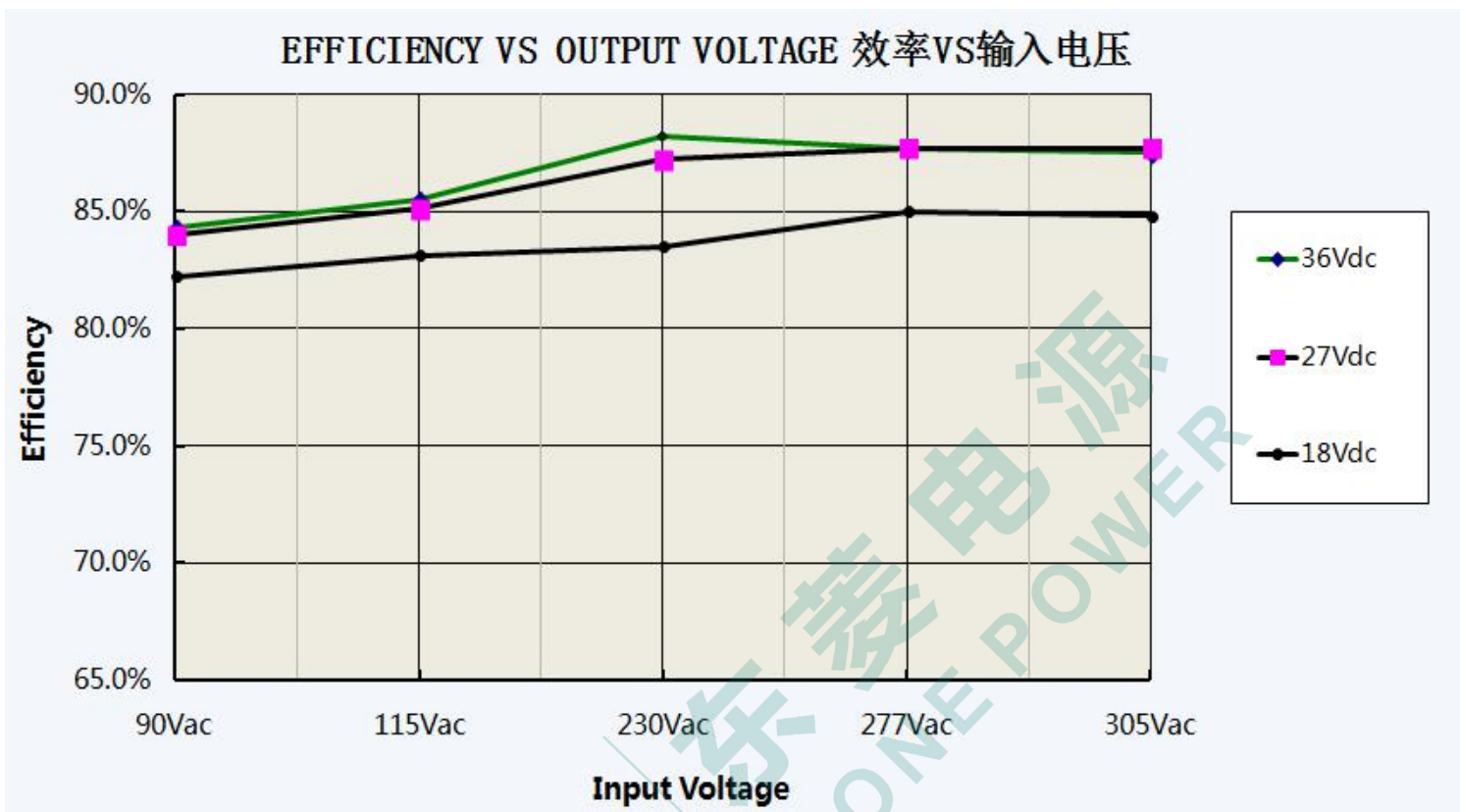
■ SAFETY & EMC 安全与电磁兼容

SUGER 浪涌	Differential Mode+/- 2 KV (2 ohm) . Class II (line to neutral) (IEC61000-4-5 2014) 浪涌等级为差模 L-N Class II +/- 2 KV (2 ohm) (IEC61000-4-5 2014)		
LEAKAGE CURRENT 漏电流	/		

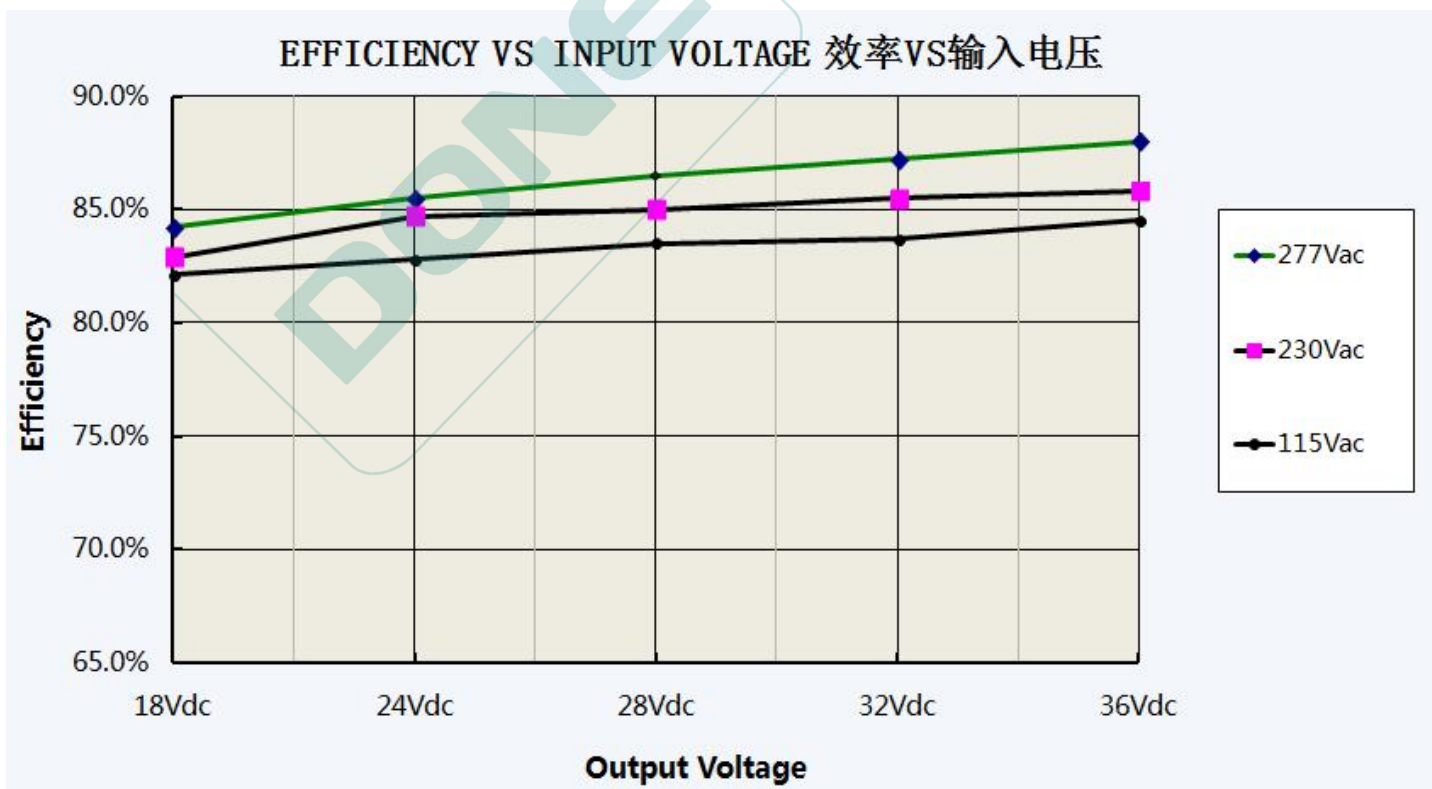
NOTE : The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.

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-30W900-L)

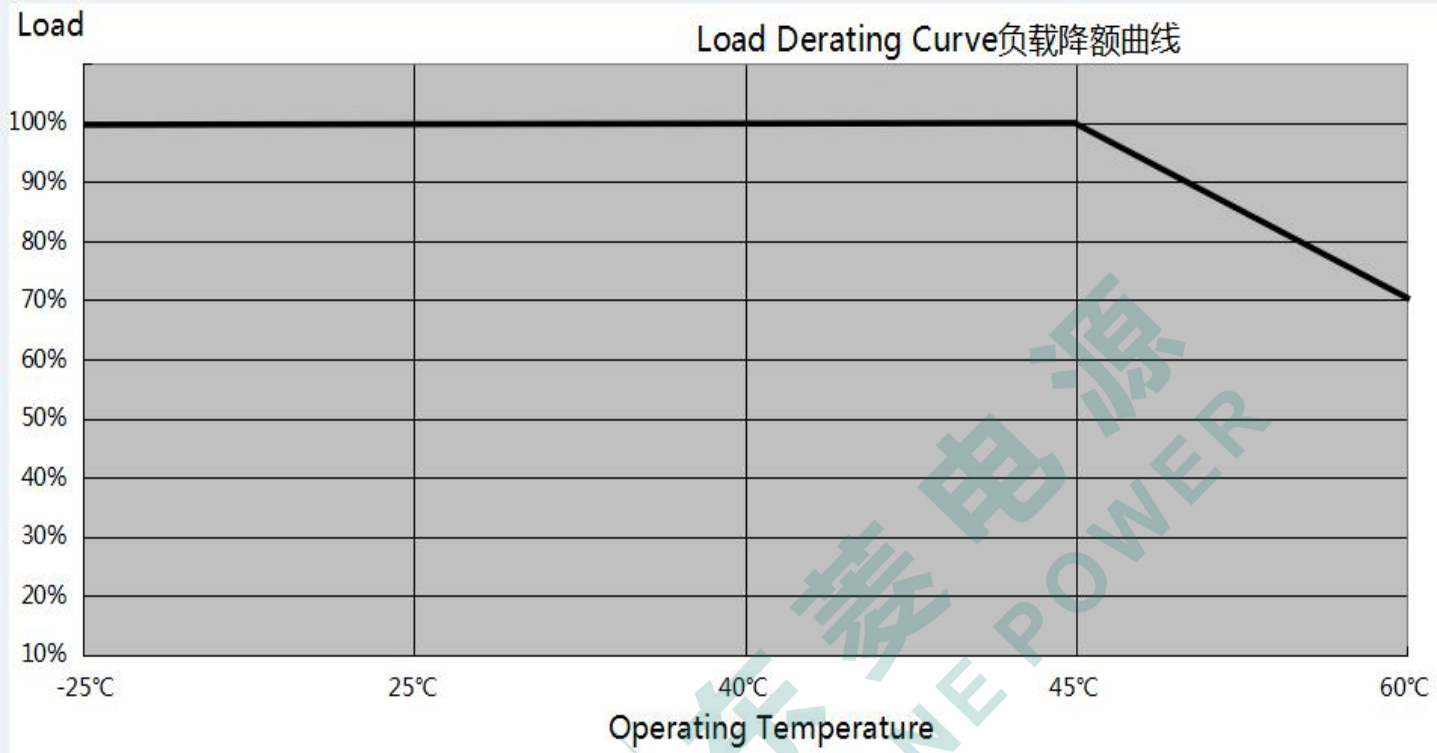


EFFICIENCY VS OUTPUT VOLTAGE 效率 VS 输出电压 (型号:DL-30W900-L)



DONE 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	东菱 LED 室内驱动电源 DONE LED INTEGRATED SPECIAL DRIVER		
	产品系列	DL-30W-L 系列	REV	1. 5

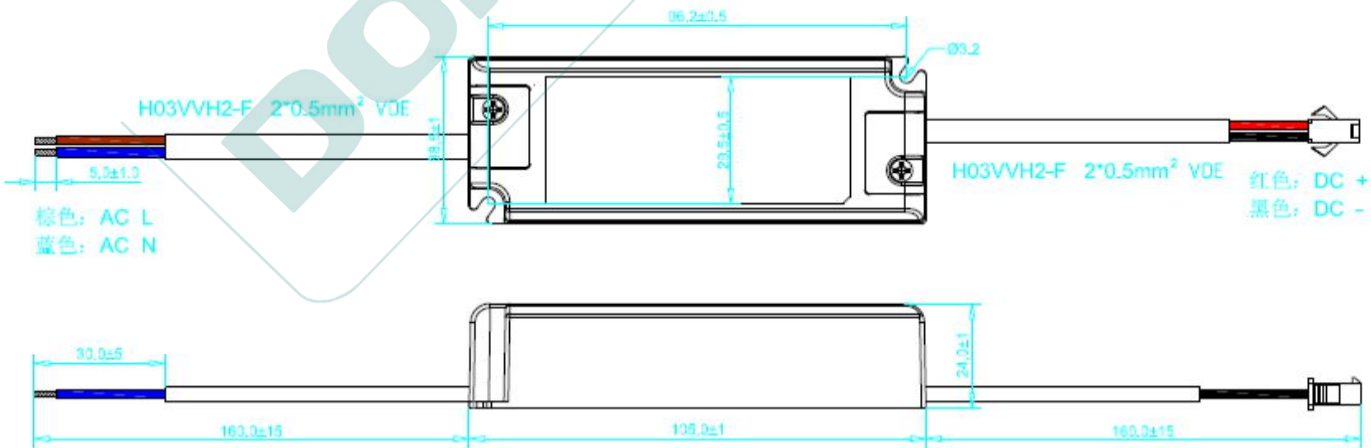
LOAD DERATING CURVE 降额曲线 (型号:DL-30W900-L)



MECHANICAL SPECIFICATION & PACKING 机械尺寸图 & 包装:

DIMENSION 尺寸 (mm)	L105*W39*H24mm
PACKING 包装	/

Case No.机壳型号 : L05 Unit 单位:m

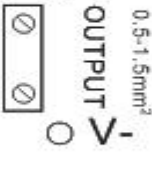


MONOMER WEIGHT 单体重量

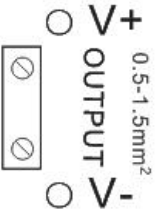
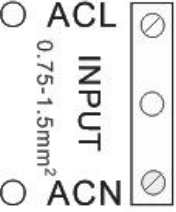
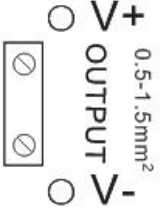
MONOMER WEIGHT 单体重量	80g
---------------------	-----

 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	东菱 LED 室内驱动电源 DONE LED INTEGRATED SPECIAL DRIVER		
	产品系列	DL-30W-L 系列	REV	1.5

■ LABELLING 标签

DL-30W900-L	 MADE IN CHINA Cg DONE® MODEL: DL-30W900-L Constant Current LED Driver Power Factor ≥0.5 SELV INPUT: 100-277V ~ 0.6A 50/60Hz OUTPUT: 18-36V ==0.9A P rated: Max. 32.4W t_c MAX. VOLTAGE: 45V == (NO LOAD)     EAC  MFRS: ZHONGSHAN DONE LIGHTING TECHNOLOGY CO., LTD. ADDRESS: No.3-2 of Kanglong 3rd Road, Henglan Town, Zhongshan, Guangdong 528478 P.R.China  ta: 40°C tc: 80°C
DL-30W750-L	 MADE IN CHINA Cg DONE® MODEL: DL-30W750-L Constant Current LED Driver Power Factor ≥0.5 SELV INPUT: 100-277V ~ 0.56A 50/60Hz OUTPUT: 21-42V ==0.75A P rated: Max. 31.5W t_c MAX. VOLTAGE: 49V == (NO LOAD) IS 15685 (Part 2/Sec 13)      EAC  MFRS: ZHONGSHAN DONE LIGHTING TECHNOLOGY CO., LTD. ADDRESS: No.3-2 of Kanglong 3rd Road, Henglan Town, Zhongshan, Guangdong 528478 P.R.China  ta: 40°C tc: 80°C
DL-30W700-L	 MADE IN CHINA Cg DONE® MODEL: DL-30W700-L Constant Current LED Driver Power Factor ≥0.5 SELV INPUT: 100-277V ~ 0.52A 50/60Hz OUTPUT: 21-42V ==0.7A P rated: Max. 29.4W t_c MAX. VOLTAGE: 49V == (NO LOAD)     EAC  MFRS: ZHONGSHAN DONE LIGHTING TECHNOLOGY CO., LTD. ADDRESS: No.3-2 of Kanglong 3rd Road, Henglan Town, Zhongshan, Guangdong 528478 P.R.China  ta: 40°C tc: 80°C

 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	东菱 LED 室内驱动电源 DONE LED INTEGRATED SPECIAL DRIVER		
	产品系列	DL-30W-L 系列	REV	1.5

DL-30W600-L	 MADE IN CHINA Cg DONE MODEL: DL-30W600-L Constant Current LED Driver Power Factor ≥ 0.5 SELV INPUT: 100-277V ~ 0.52A 50/60Hz OUTPUT: 24-48V $\Rightarrow$ 0.6A P rated: Max. 28.8W t_c MAX. VOLTAGE: 60V $\Rightarrow$ (NO LOAD) IS 15885(Part 2/Sec 13)        R-41082295 MFRS: ZHONGSHAN DONE LIGHTING TECHNOLOGY CO., LTD. ADDRESS: No. 3-2 of Kanglong 3rd Road, Henglan Town, Zhongshan, Guangdong 528478 P.R.China  ta: 40°C tc: 80°C
DL-30W300-L	 MADE IN CHINA Cg DONE MODEL: DL-30W300-L Constant Current LED Driver Power Factor ≥ 0.5 INPUT: 100-277V ~ 0.53A 50/60Hz OUTPUT: 48-96V $\Rightarrow$ 0.3A P rated: Max. 28.8W t_c MAX. VOLTAGE: 105V $\Rightarrow$ (NO LOAD) IS 15885(Part 2/Sec 13)        R-41082295 MFRS: ZHONGSHAN DONE LIGHTING TECHNOLOGY CO., LTD. ADDRESS: No. 3-2 of Kanglong 3rd Road, Henglan Town, Zhongshan, Guangdong 528478 P.R.China  ta: 40°C tc: 80°C
DL-30W250-L	 MADE IN CHINA Ce DONE MODEL: DL-30W250-L Constant Current LED Driver Power Factor ≥ 0.5 SELV INPUT: 100-277V ~ 0.53A 50/60Hz OUTPUT: 48-96V $\Rightarrow$ 0.25A P rated: Max. 24.0W t_c MAX. VOLTAGE: 105V $\Rightarrow$ (NO LOAD) IS 15885(Part 2/Sec 13)        R-41082295 MFRS: ZHONGSHAN DONE LIGHTING TECHNOLOGY CO., LTD. ADDRESS: No. 3-2 of Kanglong 3rd Road, Henglan Town, Zhongshan, Guangdong 528478 P.R.China  ta: 40°C tc: 80°C