

广东东菱电源科技有限公司

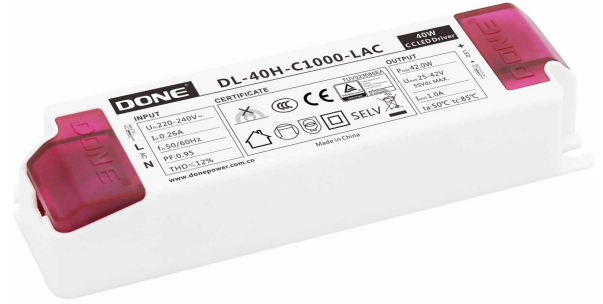
Guangdong Done Power Technology Co.,Ltd.

SPECIFICATION

CUSTOMER :			
MODEL NO. :	DL-30H-LAC		
VERSION:	V1.1		
CUSTOMER			
TEST	CHECK	APPROVE	
Please return to us one copy of "SPECIFICATION FOR APPROVAL" with you approved signature..			
MANUFACTRUE			
EDIT	CHECK	APPROVE	
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			

FEATURES

- ◇ Class II diver
- ◇ AC input: 220-240V ~ 50/60Hz
- ◇ PF > 0.95 & THD ≤ 12% full load
- ◇ High efficiency /High reliability,
Up to 88% efficiency
- ◇ Surge : 1 KV (2 ohm) IEC61000-4-5 2014
- ◇ CCC/TUV/CE/SAA approved
- ◇ 5 years warranty



TYPICAL APPLICATIONS

Commercial lighting , Household lighting



MODEL LIST

Model	AC Input	Output voltage	Output current	Efficiency	THD	PF
				230Vac	230Vac	230Vac
DL-30H-C800-LAC	220-240Vac	25-40Vdc	800mA	>88%	≤12%	≥0.95
DL-30H-C750-LAC	220-240Vac	25-42Vdc	750mA	>88%	≤12%	≥0.95
DL-30H-C700-LAC	220-240Vac	25-42Vdc	700mA	>88%	≤12%	≥0.95
DL-30H-C650-LAC	220-240Vac	25-42Vdc	650mA	>88%	≤12%	≥0.95
DL-30H-C600-LAC	220-240Vac	25-42Vdc	600mA	>88%	≤12%	≥0.95

Note: The above test is measured after half an hour of power supply.

■ SPECIFICATION

◇ INPUT

Rated voltage	220 -240Vac
Frequency	50/60Hz
Power factor(PF)	>0.95 @230Vac full load
Total harmonic distortion(THD)	≤12%@230Vac full load
Input current	0.19A @230Vac
Inrush current (typ.)	Cold start 100A @230Vac

◇ OUTPUT

Model	DL-30H-C800-LAC	DL-30H-C750-LAC	DL-30H-C700-LAC	DL-30H-C650-LAC	DL-30H-C600-LAC
Rated current	800mA	750mA	700mA	650mA	600mA
Output current range	760-840mA	713-788mA	665-735mA	617-683mA	570-630mA
Output voltage range	25-42Vdc	25-42Vdc	25-42Vdc	25-42Vdc	25-42Vdc
Rated output power	33.6W	31.5W	29.4W	27.3W	25.2W
No load voltage	55Vdc MAX.	55Vdc MAX.	55Vdc MAX.	55Vdc MAX.	55Vdc MAX.
Efficiency	>88%@230Vac 满载	>88%@230Vac 满载	>88%@230Vac 满载	>88%@230Vac 满载	>88%@230Vac 满载
Accuracy off output current	±5%	±5%	±5%	±5%	±5%
Line regulation	±5%				
Load regulation	±5%				
Setup time	<500ms @230VAC				
Stroboscopic coefficient	No stroboscopic(Ripple coefficient ≤3%)				

◇ PROTECTION

Over load	Non-latching : Constant current limiting, recovers automatically after fault condition is removed
Short	Hiccup and non-latching,;recover automatically after fault condition is removed
Over voltage	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

NOTE :

- 1) All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
- 2) Tolerance : includes set up tolerance, line regulation and load regulation.
- 3) Constant current operation region is within 50% ~100% rated output voltage. This is the suitable operation region for LED related applications.

■ ENVIRONMENT

WORKING TEMP.	-25 ~ +50°C (Refer to "Derating Curve")
WORKING HUMIDITY	20 ~ 95% RH, non-condensing
STORAGE TEMP, HUMIDITY	-25 ~ +80°C, 10 ~ 95% RH
VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes
WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC
ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH
MTBF	470K hrs min. MIL-HDBK-217F (25°C)

■ SAFETY & EMC

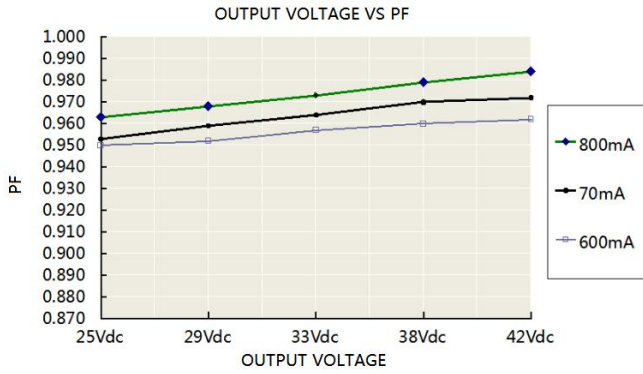
SAFETY	GB19510.1、GB19510.14、EN61347-1、EN61347-2-13、IEC61347-1、IEC61347-2-13、AS/NZS61347.1、AS/NZS61347.2.13 ; GB19510.1、GB19510.14、EN61347-1、EN61347-2-13、IEC61347-1、IEC61347-2-13、AS/NZS61347.1、AS/NZS61347.2.13 ;
EMC	EN 55015、EN 61000-3-2 、GB/T 17743、GB17625.1、 EN 61000-3-3
SUGER	IEC61000-4-5 2014 1 KV
LEAKAGE CURRENT	<0.7mA / 230Vac

NOTE :

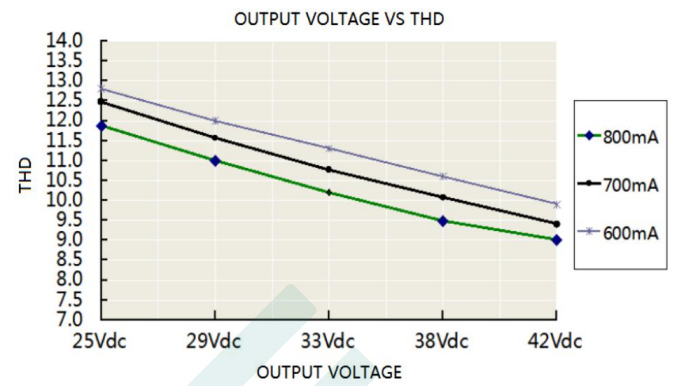
The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC

Directive on the complete installation again.

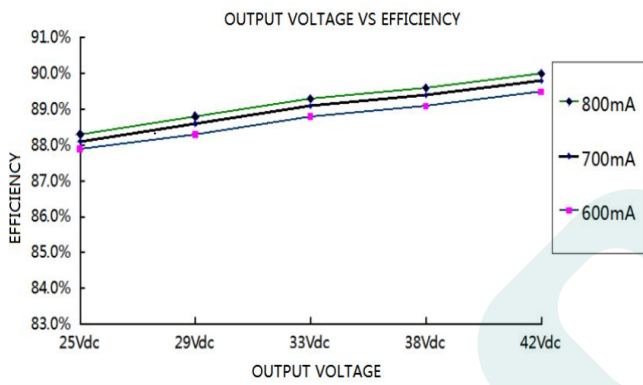
OUTPUT VOLTAGE VS PF



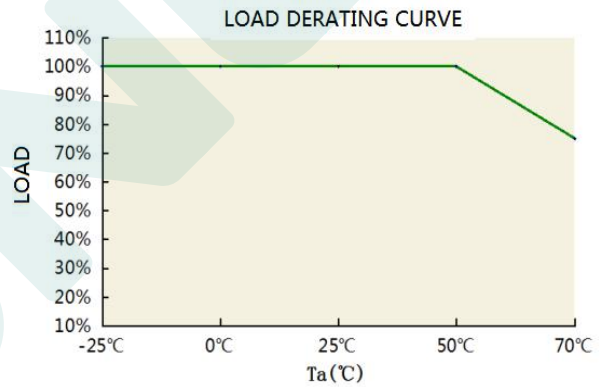
OUTPUT VOLTAGE VS THD



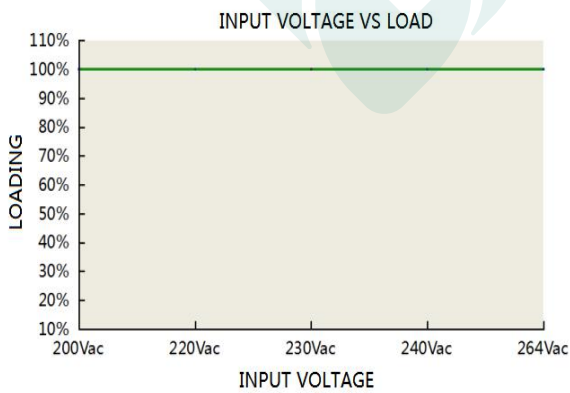
OUTPUT VOLTAGE VS EFFICIENCY



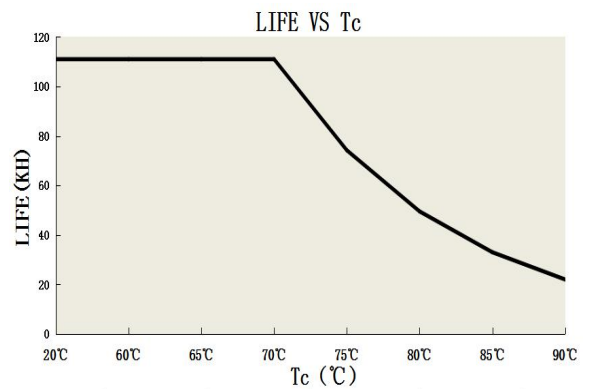
LOAD DERATING CURVE



INPUT VOLTAGE VS LOAD



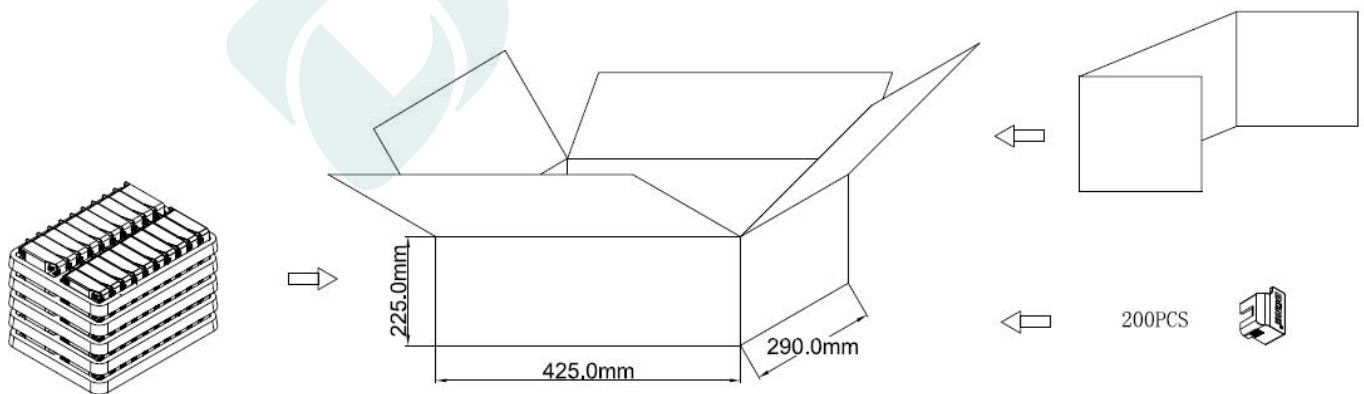
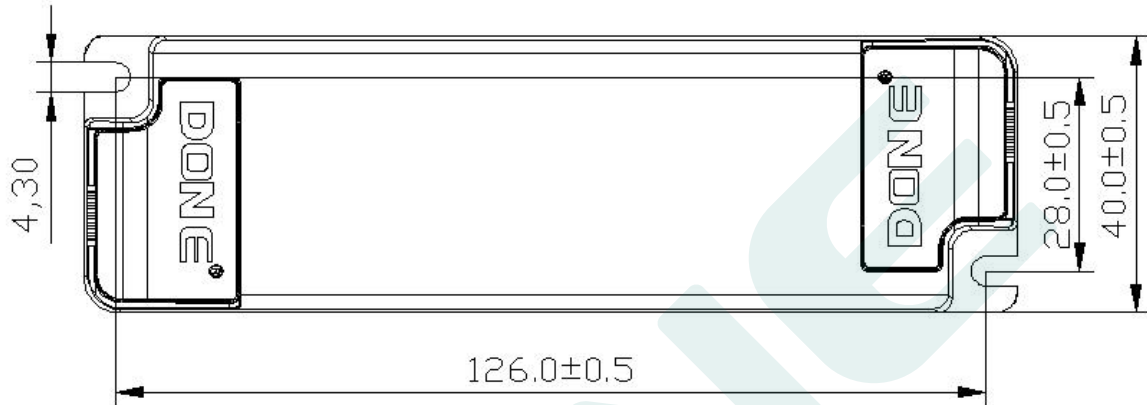
LIFE VS Tc



MECHANICAL SPECIFICATION & PACKING :

DIMENSION (mm)	135*40*25mm
PACKING	/

机壳型号： FP04 单位:mm



Note: one box has 5 layers,
 each layer has 20 PCs

WEIGHT

Weight	113g/PCS
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