

EXCELLENT POWER 70W LED driver(Preliminary)



ELECTRICAL SPECIFICATIONS :

INPUT

Input voltage : 100-240Vac
Input frequency : 47 - 63 Hz
Input current : 0.9Arms max.
Efficiency : 86~89% typical at full load
Total harmonic distortion : 20% max.
Power Factor : 90% min. at full load

OUTPUT

Output rating : as rating charts
Line regulation : 1%
Load regulation : 5%
Constant current Tolerance : 5%
Ripple & noise Vp-p : 1%(CV) 10%(CC) max.
Hold up time : 10mS Min. at full load 115Vac
Output power : 70W max.

PROTECTION :

Over voltage protection : Auto recovery
Short circuit & overpower protection : Built-in
Over temperature protection : 125 deg.C, latch

FEATURES

Alumimum case or black anodized
Optional 1-10V dimming
Optional CV or CC output
Optional IP65 rated for outdoor application

ENVIRONMENT

Operating : full load -20-50°C convection
Non-operating : -20-85°C
Shock : MIL-STD-610C 516 Part V
Vibration : 10-500 Hz. 16 mins/cycle/axis

DIMENSION : 125x61x35mm

ITEM	Model No.	Output	Io max.
1	LDP070-12A-BC	7-12V	5.60A
2	LDP070-18A-BC	12~18V	3.90A
3	LDP070-24A-BC	15~24V	2.92A
4	LDP070-30A-BC	21~30V	2.33A
5	LDP070-36A-BC	25~36V	1.94A
6	LDP070-42A-BC	30~42V	1.67A
7	LDP070-48A-BC	39~48V	1.46A
8	LDP070-54A-BC	39~54V	1.30A

Remark : Io can be set below the max.

MODEL SELECTION GUIDE:

- A : 0=Constant current CC output
1=Constant voltage CV output
2=1-10V dimmable**
- B : 0=non-IP construction
1=IP65 outdoor rated**
- C : 0=Black anodized aluminum case
1=Pure aluminum color case
2=Open Frame U-type aluminum base**

EMC Standards

FCC part 15 Class B
CISPR 15 Class B
CE EN 55015, EN61547
EN61000-3-2, EN61000-3-3
IEC 61000-4 Series

Safety Standards

UL : UL1310 class 1
cUL:CAN/CSA C22.2 NO. 223-M91
CE : EN61347-1, EN61347-2-13, EN62384

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