



## Electrical specifications

### Input

Voltage ..... 100 - 240 Vac  
 Current ..... 1.3 Arms MAX.  
 Frequency ..... 47 - 63 Hz  
 Power factor ..... 90% MIN.  
 Total harmonic distortion 20% MAX.  
 Efficiency..... 88% typical

### Output

Voltage (Vo)..... (see table below)  
 Current (Io) ..... (see table below)  
 Power (Po)..... 96W Max.  
 Working voltage for constant current (CC).... (see table below)  
 Maximum output voltage for no load (Vmax).. (see table below)  
 Hold up time..... 10ms Min. full load, Vin 100 Vac  
 Line regulation..... 1%  
 Load regulation..... 5%  
 Over voltage protection... Shutdown latch mode  
 Over current protection.... 2 steps controlled current source  
 Short circuit protection.... Built-in  
 Ripple/Noise (Vpp)..... 2% (20MHz bandwidth)

## Output Electronic Specifications

Model No.	Vo	Io	Po	CC	Vmax	LED Q'ty
LDP100-240-01	24.0V	4.00A	96.0W	12-24V	27V	4-8
LDP100-360-01	36.0V	2.66A	96.0W	18-36V	39V	6-12
LDP100-480-01	48.0V	2.00A	96.0W	24-48V	51V	8-16

## Features

- Over voltage protection
- Over current protection
- PWM dimming option
- Constant voltage status (0~full amperage).
- Constant current status (as **CC** in table)
- Level B EMI filter
- High efficiency & High quality
- MTBF 100,000hrs min. at 25°C ambient

## Environmental

**Operating temperature**  
 -20°C to +60°C ambient

**Storage temperature**  
 -20°C to +80°C ambient

**Environmental protection**  
 IP64 outdoor rated

## EMI

FCC class B  
 CISPR 15 class B

## Safety

UL1310 for class 2  
 FCC



益航電子股份有限公司  
 FAIRWAY ELECTRONIC CO., LTD.

3FL-2, No. 502, Yuanshan Rd., Chung Ho City,  
 Taipei Hsien, Taiwan, R.O.C.  
 TEL: 886-2-8227-6630 FAX: 886-2-2222-6752  
 Web: <http://www.fairway.com.tw>  
 E-mail: [sales@fairway.com.tw](mailto:sales@fairway.com.tw)