



mm
[inch]

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 (mVpp)..... 2% (20MHz bandwidth)

Output Electronic Specifications

Model No.	V _o	I _o	P _o	CC	V _{max}	LED Q'ty
LDP100-180-00	18.0V	4.80A	86.4W	12-18V	21V	4-6
LDP100-240-00	24.0V	4.00A	96.0W	12-24V	27V	4-8
LDP100-360-00	36.0V	2.66A	96.0W	18-36V	39V	6-12
LDP100-480-00	48.0V	2.00A	96.0W	24-48V	51V	8-16

Features

- Aluminum Case for IP65
- CEC-compliant performance
- Over voltage protection
- Over current protection
- Over temperature protection
- Constant voltage option (0~full load)
- Constant current option (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 +50°C ambient

Storage temperature

-20°C to +80°C ambient

Environmental protection

IP65 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