



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)

## 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

## Output Electronic Specifications

| Model No.     | V <sub>o</sub> | I <sub>o</sub> | P <sub>o</sub> | CC     | V <sub>max</sub> | 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     |

## EMI

FCC class B  
 CISPR 15 class B

## Safety

UL1310 for class 2  
 FCC



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