



## LDP020-WIRING



### Features:

- Plastic case for IP67
- 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<sub>i</sub>C ambient

## Product Description

## Specifications

### Electrical specifications

#### Input

|                                 |                              |
|---------------------------------|------------------------------|
| Voltage .....                   | 100 – 240 Vac                |
| Current .....                   | 0.5 Arms MAX.                |
| Frequency .....                 | 47 – 63 Hz                   |
| Power factor .....              | 90% min. (at 110VAC, 230VAC) |
| Total harmonic distortion ..... | 20% MAX                      |
| Efficiency .....                | 80% minimum                  |

#### Output

|                               |                                   |
|-------------------------------|-----------------------------------|
| Voltage (Vo).....             | (see table)                       |
| Power (Po).....               | 20W Max.                          |
| Line regulation.....          | +/- 1%                            |
| Load regulation.....          | +/- 5%                            |
| Over voltage protection.....  | Auto recover mode                 |
| Over current protection.....  | 2 steps controlled current source |
| Short circuit protection..... | Built-in.                         |
| Ripple/Noise.....             | 2V Max. (200MHz bandwidth)        |

| Output Electronic Specifications |       |       |        |        |
|----------------------------------|-------|-------|--------|--------|
| Model#                           | Vo    | Io    | Po     | CC     |
| LDP020-120-00                    | 12.0V | 1.66A | 20W    | 6~12V  |
| LDP020-150-00                    | 15.0V | 1.33A | 20W    | 7~15V  |
| LDP020-240-00                    | 21.0V | 0.83A | 20W    | 12~21V |
| LDP020-360-00                    | 33.0V | 0.55A | 20W    | 18~32V |
| LDP020-480-00                    | 45.0V | 0.41A | 20W    | 24~45V |
| LDP020-241-00                    | 21.0V | 700mA | 16.8W  | 12~21V |
| LDP020-361-00                    | 33.0V | 350mA | 12.6W  | 18~33V |
| LDP020-481-00                    | 45.0V | 350mA | 168.8W | 24~45V |

| Environmental                    |
|----------------------------------|
| Operating temperature            |
| -20 deg. C to +60 deg. C ambient |
| Storage temperature              |
| -20 deg. C to +80 deg. C ambient |

| EMI                                |
|------------------------------------|
| Meet FCC class B, CISPR 22 class B |

| Safeties                 |
|--------------------------|
| FCC                      |
| UL   UL 1310 for class 2 |
| CE   EN 61347-2-13       |
| EN 61347-1               |



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