

# **fullwat®** **LUXOR SERIES**



Dimension: 111 × 78 × 36mm

## **Features:**

- AC input voltage range selected by switch
- Small volume, low weight, high efficiency
- Protections : short circuit/over load
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test



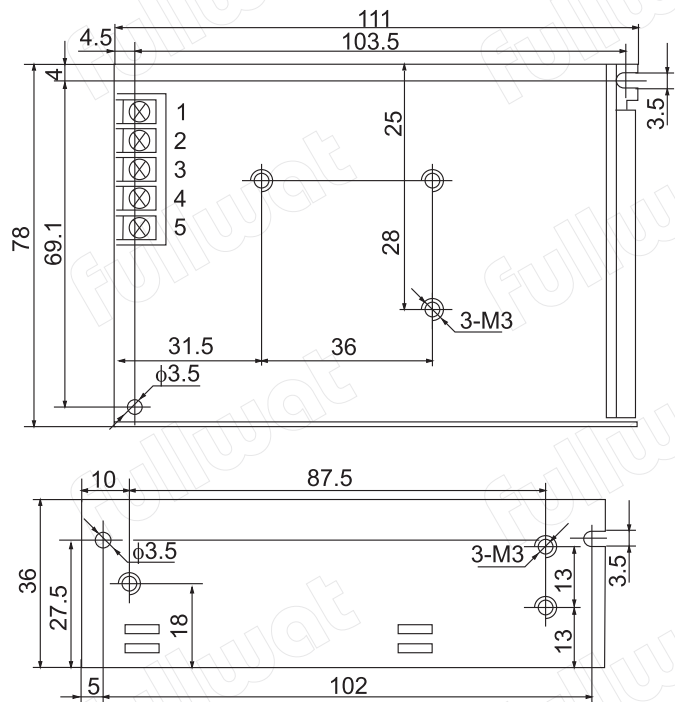
## **SPECIFICATION**

| MODEL        |                           | LUXOR-050P5                                                                  | LUXOR-050P12 | LUXOR-050P15 | LUXOR-050P24 |
|--------------|---------------------------|------------------------------------------------------------------------------|--------------|--------------|--------------|
| Output       | DC voltage                | 5V                                                                           | 12V          | 15V          | 24V          |
|              | Voltage tolerance         | ± 1%                                                                         | ± 1%         | ± 1%         | ± 1%         |
|              | Rated current             | 7A                                                                           | 4.2A         | 3.4A         | 2.1A         |
|              | Current range             | 0 ~ 7A                                                                       | 0 ~ 4.2A     | 0 ~ 3.4A     | 0 ~ 2.1A     |
|              | Rated power               | 35W                                                                          | 50W          | 51W          | 50W          |
|              | Ripple&noise              | 80mVp-p                                                                      | 120mVp-p     | 120mVp-p     | 120mVp-p     |
|              | DC voltage ADJ. range     | -9% ~ +10%                                                                   | ± 10%        | ± 10%        | ± 10%        |
|              | Setup, rise, hold up time | 800ms,30ms,20ms/230VAC                                                       |              |              |              |
| Input        | Voltage range             | 90~132VAC 170 ~ 264VAC 47 ~ 63Hz(Selected by switch), 235 ~ 373VDC           |              |              |              |
|              | AC current                | 1.3A/115V 0.65A/230VAC                                                       |              |              |              |
|              | Efficiency                | 80%                                                                          | 82%          | 82%          | 84%          |
|              | Inrush current            | Cold start18A/115V 36A/230VAC                                                |              |              |              |
|              | leakage current           | < 1mA/240VAC                                                                 |              |              |              |
| Protection   | Overload                  | Rated output power115% ~ 150%Start overload protection                       |              |              |              |
|              |                           | Protection type: hiccup mode, auto-recovery after fault condition is removed |              |              |              |
| Environment  | Working temp, humidity    | -10℃ ~ +60℃;20% ~ 90%RH(Please refer to "derating curve" )                   |              |              |              |
|              | Storage temp, humidity    | -20℃ ~ +85℃;10% ~ 95%RH Non-condensing                                       |              |              |              |
|              | Withstand vibration       | 10 ~ 500Hz, 2G 10min./1Cycle, Period for 60min, Each axes                    |              |              |              |
| Safety       | Withstand voltage         | I/P-O/P: 1.5KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC                             |              |              |              |
|              | Isolation resistance      | I/P-O/P: I/P-FG,O/P-FG: 100M Ohms/500VDC                                     |              |              |              |
| Fit standard | Safety standard           | Fit UL1012                                                                   |              |              |              |
|              | EMC Standard              | Fit EN55022, CLASSA                                                          |              |              |              |
| Others       | Dimension                 | 0.26kg 111*78*36 ( L*W*H )                                                   |              |              |              |
|              | Weight                    | 0.26kg/50pcs/14kg/0.96CUFT                                                   |              |              |              |

Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.  
 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.  
 3. Tolerance : includes set up tolerance, line regulation and load regulation.

### Mechanical specification

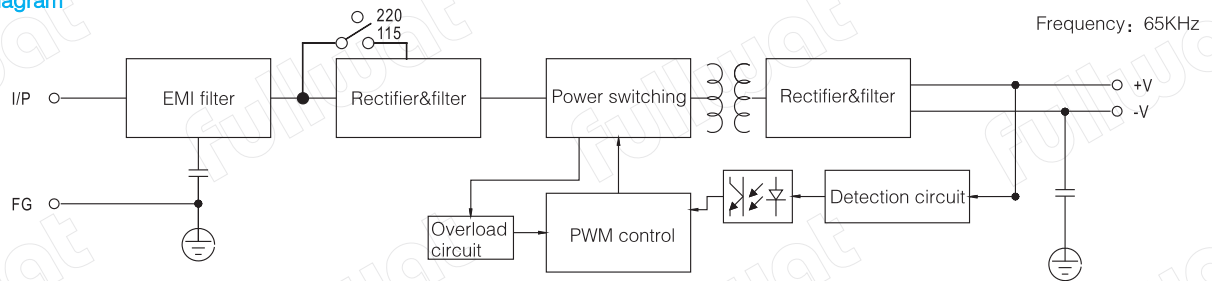
Unit:mm



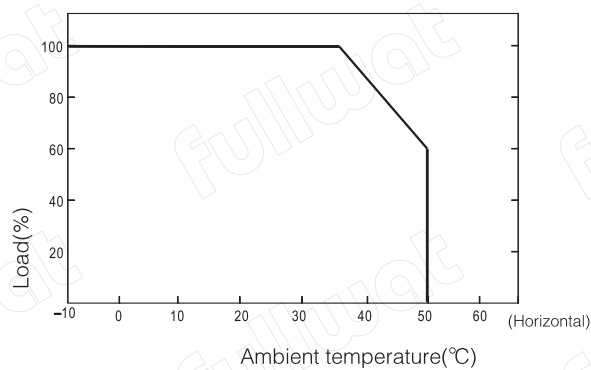
Terminal Pin No. Assignment

| Pin No. | Assignment | Pin No. | Assignment   |
|---------|------------|---------|--------------|
| 1       | AC/L       | 4       | DC OUTPUT -V |
| 2       | AC/N       | 5       | DC OUTPUT +V |
| 3       | FG $\perp$ |         |              |

### Block diagram



### Derating curve



### Static characteristic

