



Dimension:167×59×30mm

### Features:

- 180~264VAC input range
- Slim type, 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
- No load consumption<1.0W
- 2 Years warranty



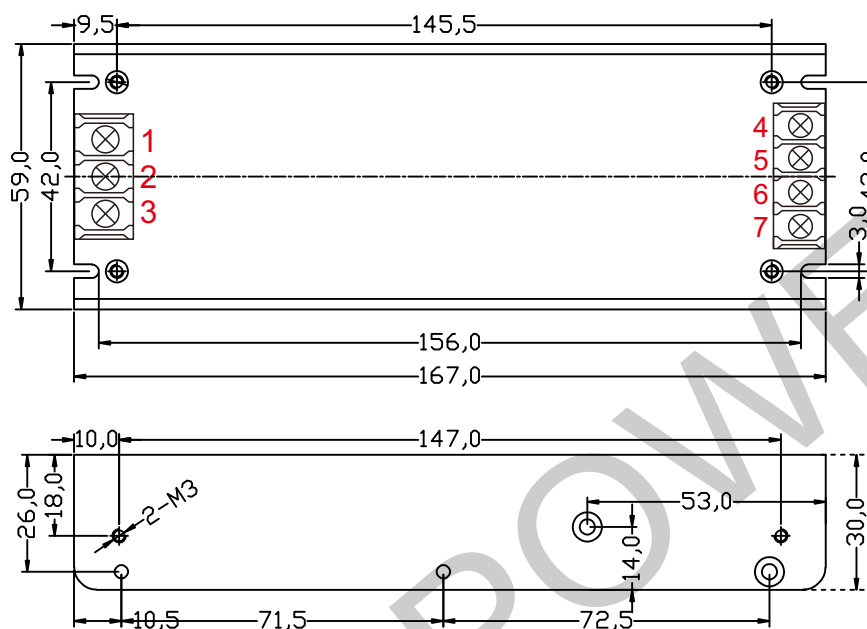
### SPECIFICATION

| Model                     |                        | US-150-12                                                                    | US-150-24 |
|---------------------------|------------------------|------------------------------------------------------------------------------|-----------|
| Output                    | DC voltage             | 12V                                                                          | 24V       |
|                           | Voltage tolerance      | ± 2%                                                                         | ± 2%      |
|                           | Rated current          | 12.5A                                                                        | 6.3A      |
|                           | Current range          | 0 ~ 12.5A                                                                    | 0 ~ 6.3A  |
|                           | Rated power            | 150W                                                                         | 151.2W    |
|                           | Ripple&noise           | 180mVp-p                                                                     | 200mVp-p  |
|                           | DC voltage ADJ. range  | ± 10%                                                                        | ± 10%     |
| Setup, rise, hold up time |                        | 800ms,30ms,24ms/230VAC                                                       |           |
| Input                     | Voltage range          | 180 ~ 264VAC 47 ~ 63Hz, 254 ~ 373VDC                                         |           |
|                           | AC current             | 1.6/230VAC                                                                   |           |
|                           | Efficiency             | 88%                                                                          | 89%       |
|                           | Inrush current         | Cold start45A/230VAC                                                         |           |
|                           | leakage current        | < 2.0mA/240VAC                                                               |           |
| Protection                | Overload               | Rated output power110% ~ 150%Start overload protection                       |           |
|                           |                        | Protection type: hiccup mode, auto-recovery after fault condition is removed |           |
| Environment               | Working temp, humidity | -20°C ~ +50°C;20% ~ 90%RH(Please refer to "derating curve" )                 |           |
|                           | Storage temp, humidity | -40°C ~ +85°C;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/25°C/70%RH                          |           |
| Fit standard              | Safety standard        | Compliance to UL1012,UL60950-1,GB4943                                        |           |
|                           | EMC Standard           | Compliance to EN55022(CISPR22), EN61000-3-2,CLASSA                           |           |
| Others                    | Dimension              | 167*59*30mm ( L*W*H )                                                        |           |
|                           | Weight                 | 0.4kg/50pcs/20kg/0.025m³/0.88CUFT                                            |           |
|                           | MTBF                   | 390K hrs min. MIL-HDBK-217F(25°C)                                            |           |

Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C 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

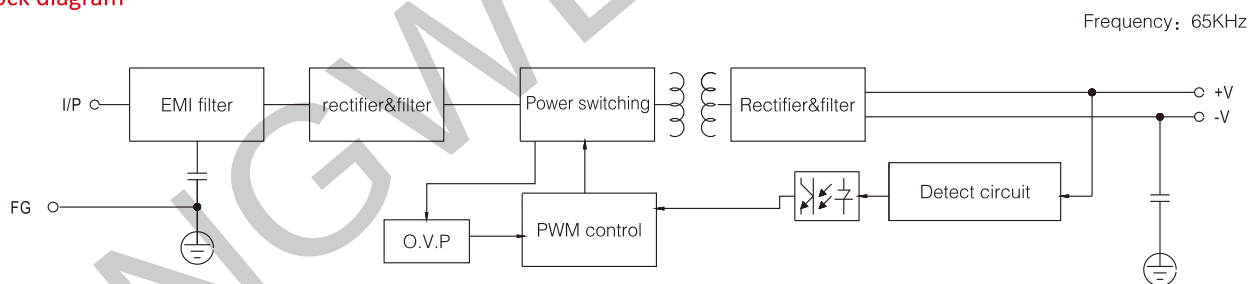
Unit:mm



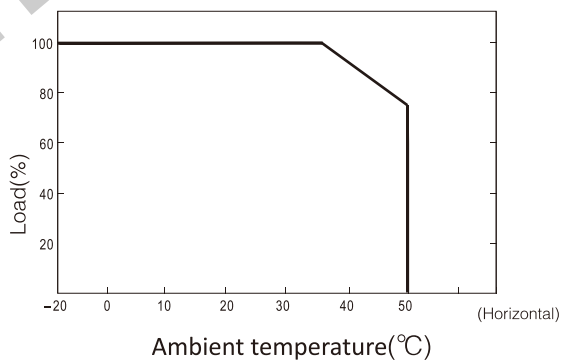
Terminal Pin No.Assignment

| Pin No. | Assignment | Pin No. | Assignment   |
|---------|------------|---------|--------------|
| 1       | AC/L       | 4~5     | DC OUTPUT -V |
| 2       | AC/N       | 6~7     | DC OUTPUT +V |
| 3       | FG $\perp$ |         |              |

### Block diagram



### Derating curve



### Static characteristic

