

Dimension: 159 × 98 × 38mm

Features:

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

SPECIFICATION

| Model        |                           | S-50-5   | S-50-12  | S-50-24  |
|--------------|---------------------------|--|----------|----------|
| Output       | DC voltage                | 5V   | 12V      | 24V      |
|              | Voltage tolerance         | ± 1%   | ± 1%     | ± 1%     |
|              | Rated current             | 10A  | 4.2A     | 2.1A     |
|              | Current range             | 0 ~ 10A  | 0 ~ 4.2A | 0 ~ 2.1A |
|              | Rated power               | 50W  | 50W      | 50W      |
|              | Ripple&noise              | 100mVp-p   | 120mVp-p | 120mVp-p |
|              | DC voltage ADJ. range     | ± 10%  | ± 10%    | ± 10%    |
|              | Setup, rise, hold up time | 200ms,80ms,22ms/230VAC.  |          |          |
| Input        | Voltage range             | 90 ~ 132VAC/180 ~ 264VAC(Selected by switch) 47 ~ 63Hz, 255 ~ 373VDC                             |          |          |
|              | AC current                | 1.3A/115V 0.65A/230VAC   |          |          |
|              | Efficiency                | 76%  | 79%      | 82%      |
|              | Inrush current            | Cold start 18A/115V 36A/230VAC   |          |          |
|              | leakage current           | < 3.5mA/240VAC   |          |          |
| Protection   | Overload                  | Rated output power115% ~ 150%Start overload protection   |          |          |
|              |                           | Protection type : part layer type current limit , auto-recovery after fault condition is removed |          |          |
| Environment  | Working temp, humidity    | -10°C ~ +60°C;20% ~ 90%RH(Please refer to "derating curve" )                                     |          |          |
|              | Storage temp, humidity    | -20°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   |          |          |
| Fit standard | Safety standard           | Fit UL1012   |          |          |
|              | EMC Standard              | Fit EN55022, CLASSA  |          |          |
| Others       | Weight                    | 0.5kg 159*98*38mm ( L*W*H )  |          |          |
|              | Packing                   | 0.5kg/45pcs/23.5kg   |          |          |

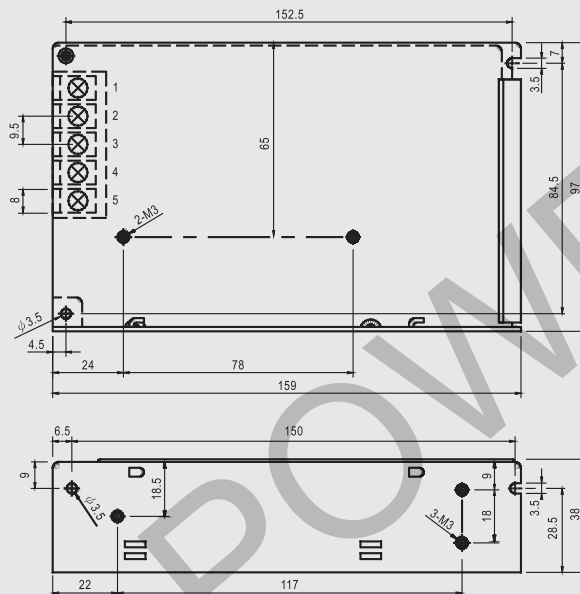
Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.

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

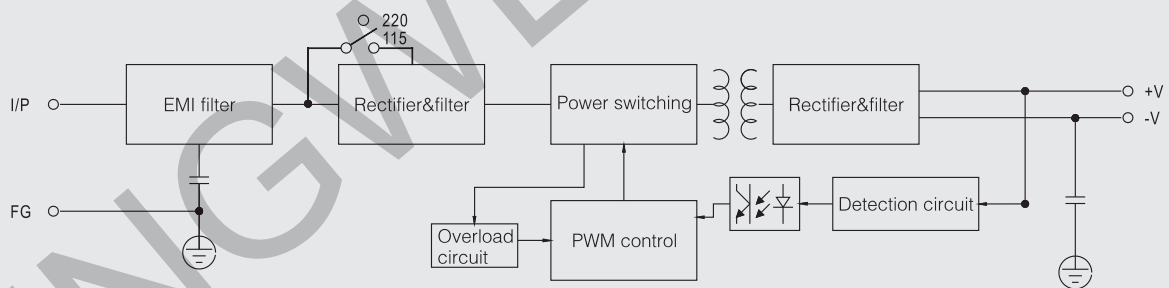
Unit:mm



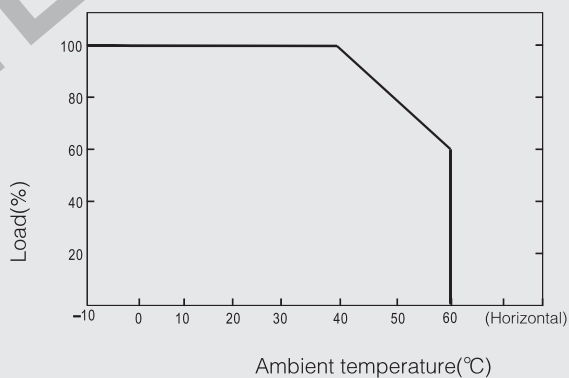
Terminal Pin No. Assignment

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

Block diagram



Derating curve



Static characteristic

