



Dimension: 129 × 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

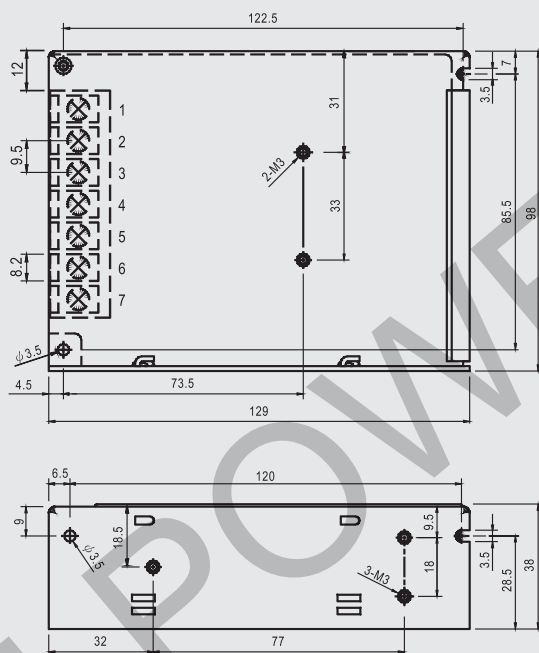
### SPECIFICATION

| Model        |                           | D-30A                                                                                            |          | D-30B    |          | D-30C    |          |
|--------------|---------------------------|--------------------------------------------------------------------------------------------------|----------|----------|----------|----------|----------|
| Output       | DC voltage                | CH1:5V                                                                                           | CH2:12V  | CH1:5V   | CH2:24V  | CH1:12V  | CH2:24V  |
|              | Voltage tolerance         | ± 2%                                                                                             | +3%~-7%  | ± 2%     | +4%~-6%  | ± 2%     | +5%~-7%  |
|              | Rated current             | 4A                                                                                               | 1A       | 2.2A     | 1A       | 1A       | 1A       |
|              | Current range             | 0.5~4A                                                                                           | 0.2~1A   | 0.4~2.2A | 0.1~1A   | 0.3~1A   | 0.1~1A   |
|              | Rated power               | 32W                                                                                              |          | 35W      |          | 36W      |          |
|              | Ripple&noise              | 80mVp-p                                                                                          | 100mVp-p | 80mVp-p  | 120mVp-p | 100mVp-p | 120mVp-p |
|              | DC voltage ADJ. range     | CH1: -9%~+10%                                                                                    |          |          |          |          |          |
|              | Setup, rise, hold up time | 200ms,50ms,30ms/230VAC.                                                                          |          |          |          |          |          |
| Input        | Voltage range             | 90 ~ 132VAC/180 ~ 264VAC(Selected by switch ) 47 ~ 63Hz, 255 ~ 373VDC                            |          |          |          |          |          |
|              | AC current                | 0.8A/115VAC 0.45A/230VAC                                                                         |          |          |          |          |          |
|              | Efficiency                | 73%                                                                                              |          | 75%      |          | 77%      |          |
|              | Inrush current            | Cold start 18A/115V 36A/230VAC                                                                   |          |          |          |          |          |
|              | leakage current           | < 2mA/240VAC                                                                                     |          |          |          |          |          |
| Protection   | Overload                  | Rated output power110% ~ 150%Start overload protection                                           |          |          |          |          |          |
|              |                           | Protection type : part layer type current limit , 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       | Weight                    | 0.4kg 129*98*38mm ( L*W*H )                                                                      |          |          |          |          |          |
|              | Packing                   | 0.4kg/45pcs/19kg                                                                                 |          |          |          |          |          |

- 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

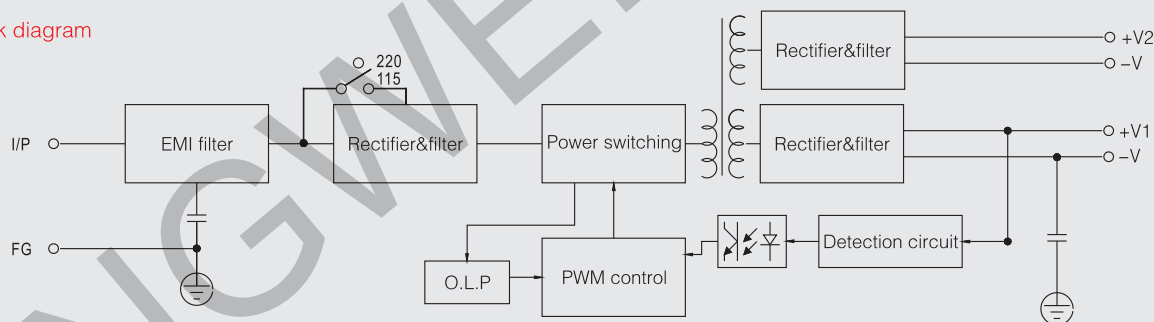
Unit:mm



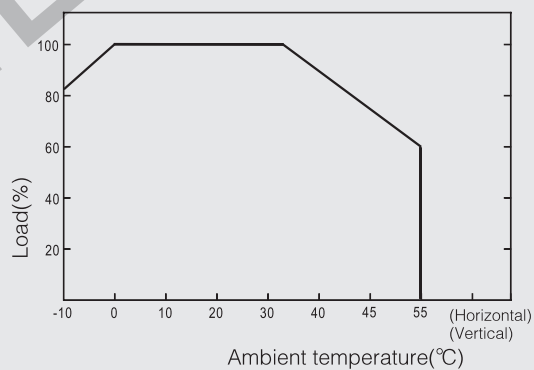
Terminal Pin No.Assignment

| Pin No. | Assignment | Pin No. | Assignment    |
|---------|------------|---------|---------------|
| 1       | AC/L       | 4       | DC OUTPUT -V  |
| 2       | AC/N       | 5       | DC OUTPUT +V2 |
| 3       | FG $\perp$ | 6       | DC OUTPUT -V  |
|         |            | 7       | DC OUTPUT +V1 |

### Block diagram



### Derating curve



### Static characteristic

