



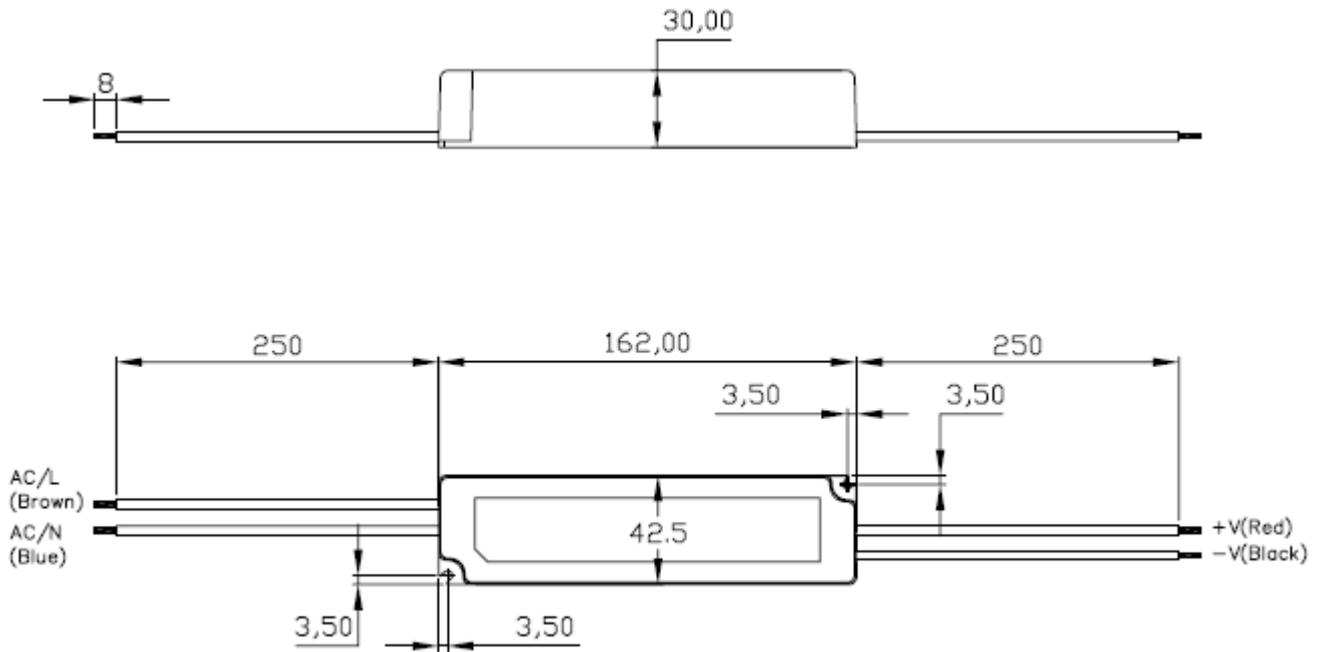
### Features:

- Constant voltage mode power supply
- Universal AC input/Full range
- Fully encapsulated with IP67 level
- Protections: Short circuit/Over current/ Over Voltage
- Small and compact size
- UL1310 Class 2 power unit
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- 2 years warranty

### SPECIFICATION:

| MODEL               |                                      | LV60-12   | LV60-24       |
|---------------------|--------------------------------------|---|---------------|
| OUTPUT              | DC VOLTAGE                           | 12V   | 24V           |
|                     | RATED CURRENT                        | 5A  | 2.5A          |
|                     | CURRENT RANGE                        | 0~5A  | 0~2.5A        |
|                     | RATED POWER                          | 60W   | 60W           |
|                     | RIPPLE & NOISE (max.)                | 120mVp-p  | 200mVp-p      |
|                     | VOLTAGE TOLERANCE                    | ± 3.0%  |               |
|                     | LINE REGULATION                      | ± 1.0%  |               |
|                     | LOAD REGULATION                      | ± 2.0%  |               |
|                     | SETUP,RISE TIME                      | 500ms,250ms/230VAC 500ms,250ms/115AC at full load   |               |
| HOLD UP TIME (Typ.) | 50ms/230VAC 24ms/115VAC at full load |   |               |
| INPUT               | VOLTAGE RANGE                        | 100-240VAC  |               |
|                     | FREQUENCY RANGE                      | 47~63Hz   |               |
|                     | EFFICIENCY (Typ.)                    | 82% full load   | 84% full load |
|                     | AC CURRENT                           | 1.4A/100VAC   | 0.70A/240AC   |
|                     | INRUSH CURRENT (max.)                | COLD STAT 70A/230VAC 35A/115VAC   |               |
| LEAKAGE CURRENT     | 0.25mA/240VAC                        |   |               |
| PROTECT ON          | OVER CURRENT/<br>SHORT CIRCUIT       | Above 150%~200%rated output power or short circuit.<br>Protection type: Hiccup mode, recovers automatically after fault condition is removed. |               |
|                     | OVER VOLTAGE                         | Protection type: Hiccup mode, recovers automatically after fault condition is removed.  |               |
|                     | OVER TEMPERATURE                     | Tj 140℃ typically(IC1) Detect on main control IC<br>Protection type: Hiccup mode, recovers automatically after temperature goes down          |               |
| ENVIRONMENT         | WORKING TEMP.                        | -10~50℃   |               |
|                     | WORKING HUMIDITY                     | 20~90% RH non-condensing  |               |
|                     | STORAGE TEMP., HUMIDITY              | -40~80℃, 10~95% RH  |               |
|                     | TEMP. COEFFICIENT                    | ± 0.03%/℃ (0~50℃)   |               |
| SAFETY & EMC        | VIBRATION                            | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X,Y, Z axes  |               |
|                     | SAFETY STANDARDS                     | Design refer to UL1310 Class 2,TUV EN60950-1, EN61347-2-13, CAN/CSA C22.2 No. 223-M91, meet IP67  |               |
|                     | WITHSTAND VOLTAGE                    | I/P-O/P:3KVAC   |               |
|                     | ISOLATION RESISTANCE                 | I/P-O/P:>100M Ohms / 500VDC / 25~70% RH   |               |
|                     | EMI CONDUCTION & RADIATION           | Compliance to EN55022 (CISPR22) Class B   |               |
| DIMENSION           | HARMONIC CURRENT                     | Compliance to EN61000-3-2,-3  |               |
|                     | EMS IMMUNITY                         | Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A   |               |
| DIMENSION           |                                      | 162*42.5*30mm (L*W*H)   |               |

## Mechanical Specification



## Block Diagram

