



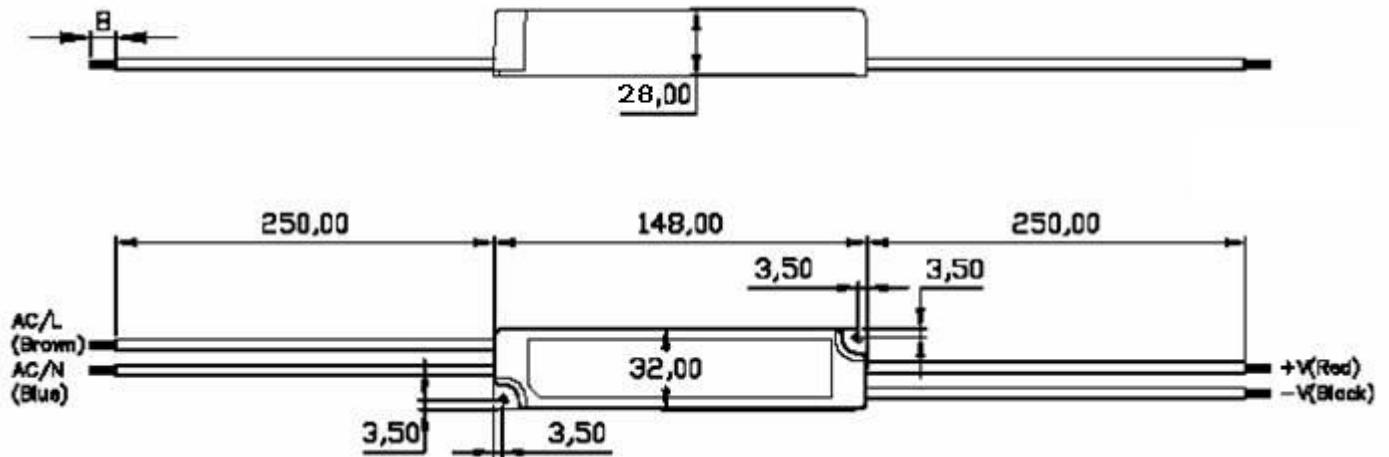
### Features :

- Constant voltage mode power supply
- Universal AC input / Full range
- Fully encapsulated with IP67 level
- Protections: Short circuit/Over current
- 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           |                                | LV35-12  | LV35-24       |
|-----------------|--------------------------------|--|---------------|
| OUTPUT          | DC VOLTAGE                     | 12V  | 24V           |
|                 | RATED CURRENT                  | 3.0A   | 1.5A          |
|                 | CURRENT RANGE                  | 0~3.0A   | 0~1.5A        |
|                 | RATED POWER                    | 36W  | 36W           |
|                 | RIPPLE & NOISE (max.)          | 100mVp-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                     | 0.75A/100AC  | 0.35A/240VAC  |
|                 | INRUSH CURRENT (max.)          | COLD STAT 70A/230VAC   |               |
|                 | LEAKAGE CURRENT                | 0.25mA/240VAC  |               |
| PROTECT<br>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:110% ~150%, shut off, 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℃)   |               |
|                 | VIBRATION                      | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X,Y, Z axes   |               |
| SAFETY<br>& EMC | 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  |               |
|                 | 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       |                                | 148*32*28mm (L*W*H)  |               |

## Mechanical Specification



## Block Diagram

