



## Features :

- Constant voltage mode power supply
- Universal AC input/Full range
- Double isolated input & output cable
- Ultrasonic welding plastic case IP44
- Built-in active PFC function
- No load power consumption <0.5W
- Protections: Over voltage/Short circuit
- Small and compact size
- Class 2 power unit, pass LPS
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- 2 years warranty

## SPECIFICATION:

| MODEL        |                         | LV20LE-12   | LV20LE-24      |
|--------------|-------------------------|---|----------------|
| OUTPUT       | DC VOLTAGE              | 12V   | 24V            |
|              | CURRENT RANGE           | 1.66A   | 0.83A          |
|              | RATED POWER             | 19.92W  | 19.92W         |
|              | RIPPLE & NOISE (max.)   | 100mVp-p  | 150mVp-p       |
|              | VOLTAGE TOLERANCE       | ±2.0%   |                |
|              | LINE REGULATION         | ±1.0%   |                |
|              | LOAD REGULATION         | ±2.0%   |                |
| INPUT        | VOLTAGE RANGE           | 100-240Vac  |                |
|              | FREQUENCY RANGE         | 47~63Hz   |                |
|              | POWER FACTOR            | PF≥0.90/230VAC PF≥0.90/110VAC at full load  |                |
|              | EFFICIENCY (Typ.)       | 81 % full load  | 82 % full load |
| PROTECTION   | OVER voltage            | Above 110%-120% of rated voltage  |                |
|              | Short circuit           | Hiccup mode , recovers automatically after fault condition is removed                               |                |
| ENVIRONMENT  | WORKING TEMP.           | -30~50°C  |                |
|              | WORKING HUMIDITY        | 20~90% RH non-condensing  |                |
|              | STORAGE TEMP., HUMIDITY | -40~80°C , 10~95% RH  |                |
|              | TEMP.COEFFICIENT        | ±0.03%/°C (0~50°C)  |                |
|              | VIBRATION               | 10 ~ 500Hz, 2G 10min./1cycle , period for 60min. each along X,Y, Z axes                             |                |
| SAFETY & EMC | SAFETY STANDARDS        | Design refer to UL1310 Class 2, TUV EN62368- 1, EN61347-2- 13, CAN/CSA C22.2 No. 223-M91, meet IP67 |                |
|              | WITHSTAND VOLTAGE       | I/P-O/P: 3 KVAC   |                |
|              | ISOLATION RESISTANCE    | I/P-O/P:>100M Ohms / 500VDC / 25~70% RH   |                |
|              | EMC EMISSION            | Compliance to EN55015, EN61000-3-2 Class C;EN61000-3-3  |                |
| DIMENSION    |                         | 110*45*23.5mm (L*W*H)   |                |

## Mechanical Specification

