



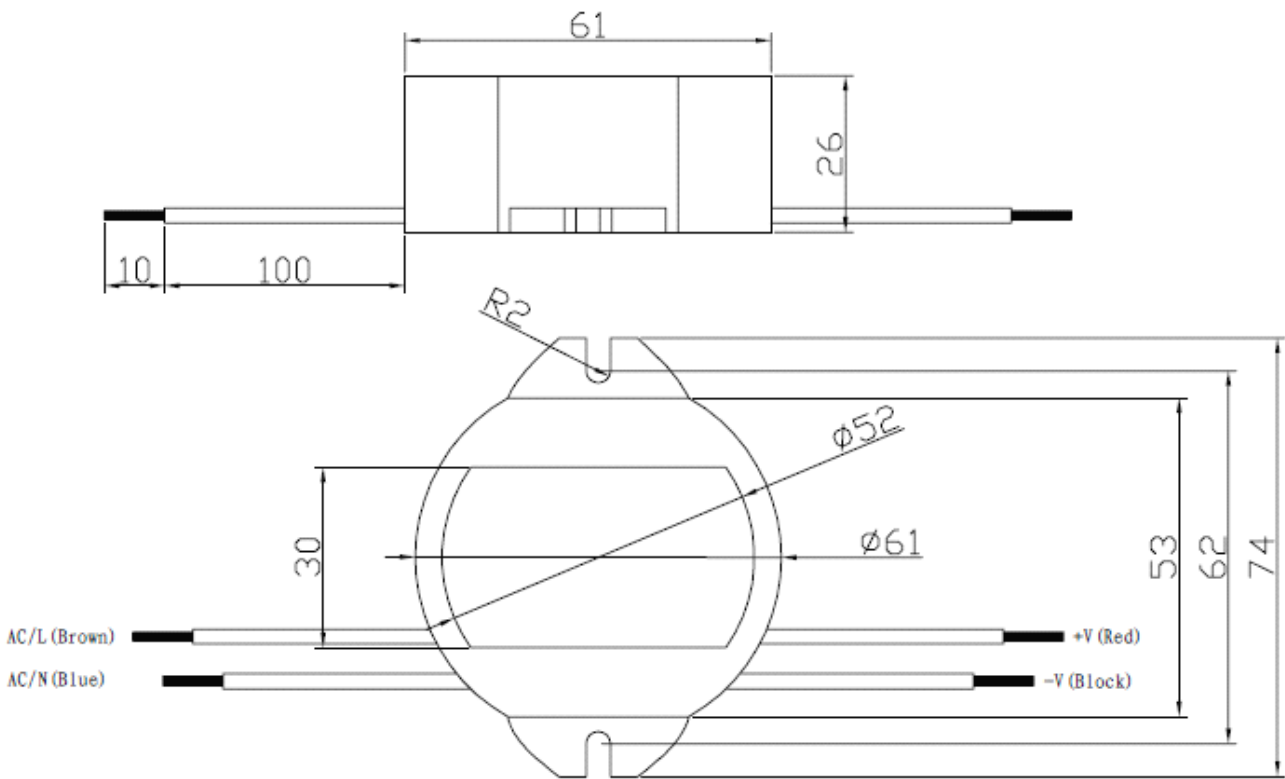
Features :

- Constant current mode power supply
- 100-240VAC input only
- Fully encapsulated with IP67 level
- Protections: Short circuit/Over current
- Built-in active PFC function
- Small and compact size
- UL1310 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		LA12Y-350	LA12Y-700
OUTPUT	DC VOLTAGE	32V	16V
	DC VOLTAGE RANGE	9-32V	3-16V
	CURRENT RANGE	350mA ±3%	700mA ±3%
	RATED POWER	11.2W	11.2W
	RIPPLE & NOISE (max.)	200mVp-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		
INPUT	VOLTAGE RANGE	100-240VAC	
	FREQUENCY RANGE	47~63Hz	
	EFFICIENCY(Typ.)	78% full load	72% full load
	POWER FACTOR	PF>0.85/230VAC at full load	
	AC CURRENT(at full load)	0.3A/100VAC	0.15A/240VAC
	INRUSH CURRENT (max.)	COLD STAT 70A/240VAC 35A/120VAC at full load	
LEAKAGE CURRENT	0.25mA/240VAC		
PROTECT ON	OVER CURRENT	Above 105% rated output power. Protection type: Hiccup mode, recovers automatically after fault condition is removed.	
	OVER TEMPERATURE	Tj 140℃ typically(IC1) Detect on main control IC 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 & 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		φ 64*30mm (L*W*H)	

Mechanical Specification



Block Diagram

