



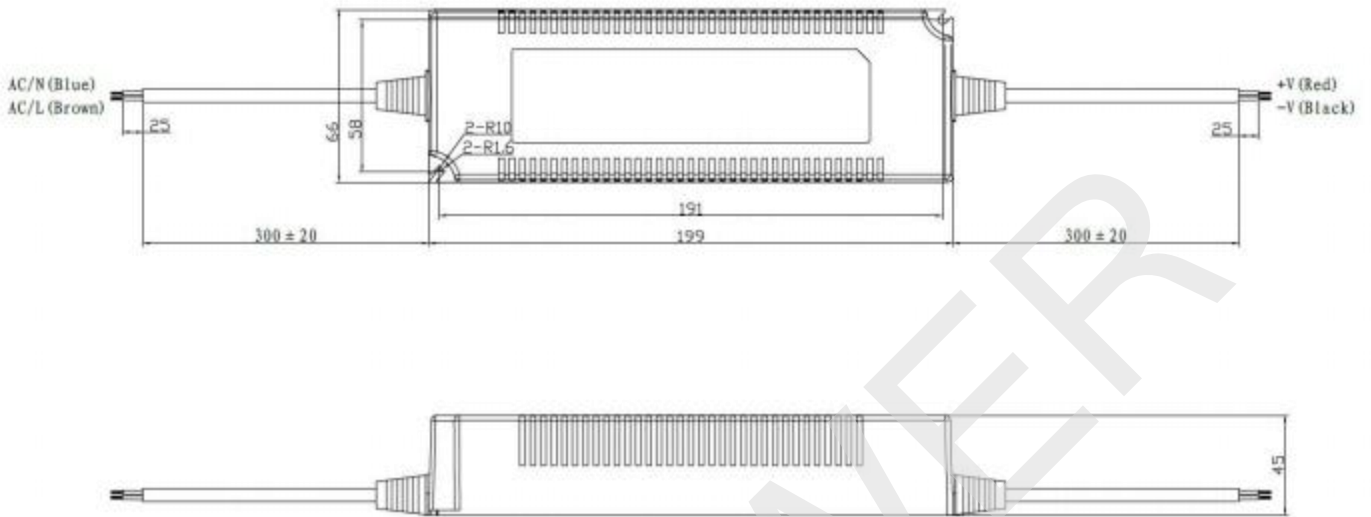
Features:

- Constant voltage mode power supply
- 180-264V AC input only
- Fully encapsulated with IP67 level
- Protections: Short circuit/Over Current / Over Voltage/Over temperature
- Cooling by free air convection
- Class 2 power unit
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- 2 years warranty

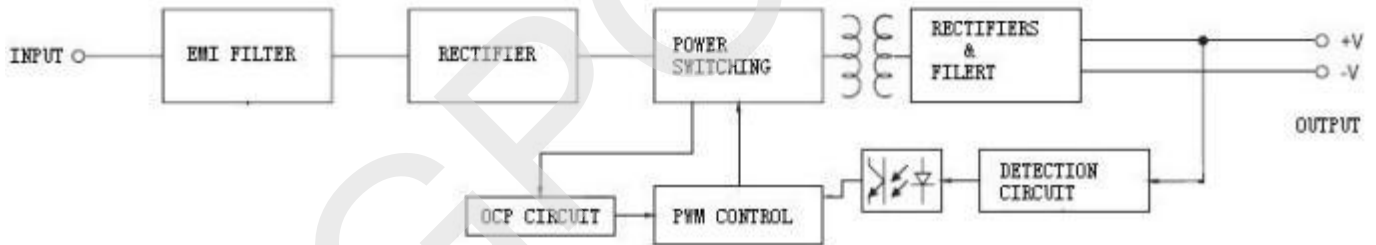
SPECIFICATION:

MODEL		LV120-12	LV120-24
OUTPUT	DC VOLTAGE	12V	24V
	RATED CURRENT	10A	5A
	RATED POWER	120W	120W
	RIPPLE& NOISE(max.)	200mv	300 mv
	VOLTAGE TOLERANCE	±5%	
	LOAD REGULATION	±2%	
	LINE REGULATION	±1%	
	SETUP,RISE TIME	500ms, 50ms / 230VAC 500ms, 50ms / 264VAC at full load	
	HOLD UP TIME (Typ.)	18ms / 230VAC	18ms / 264VAC at full load
INPUT	VOLTAGE RANGE	180 ~ 264VAC	
	FREQUENCY RANGE	47~63Hz	
	EFFICIENCY(Typ.)	87%	89%
	ACCURRENT(at full load)	1.7 A / 230VAC	1.5A / 264VAC
	INRUSHCURRENT(max.)	COLD START 60A/230VAC	
	LEAKAGE CURRENT	<0.25mA / 230VAC	
PROTECTION	OVER CURRENT	110 ~ 150%	
	SHORT CIRCUIT	Protection type :Hiccup mode, auto recovers after fault condition is removed	
	OVER VOLTAGE	13.5~18V	27~36V
	OVER TEMPERATURE	110°C±10°C (RT)typically nead T1	
ENVIRONMENT	WORKING TEMP.	-30 ~ +50 @ full load ; +70 @ 50% load	
	WORKING HUMIDITY	20~95% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-40~80°C , 10~95% RH	
	TEMP.COEFFICIENT	±0.03%/°C (0~50°C)	
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. 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:3.0KVAC	
	ISOLATIONRESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25~70% RH	
	EMC	Compliance to EN55032:2015+A11:2020	
OTHERS	DIMENSION	199*66*45mm (L*W*H)	
	PACKING	1.8Kg	

Mechanical Specification



Block Diagram :



Derating Curve :

Static Characteristics

