



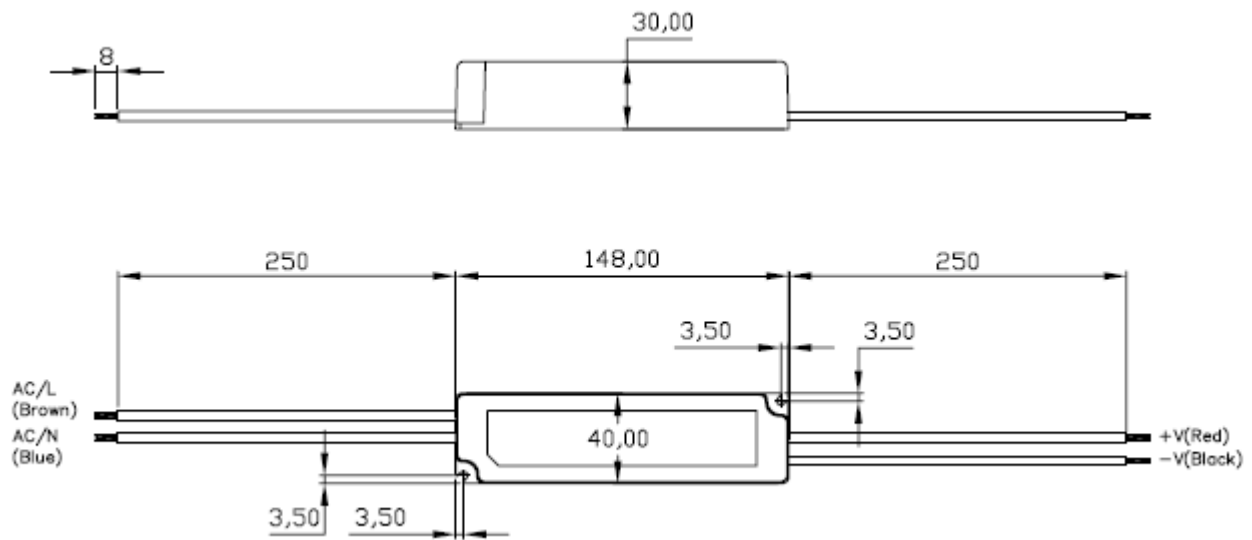
Features :

- Constant voltage mode power supply
- Universal AC input / Full range
- Fully encapsulated with IP67 level
- Protections: Short circuit / Over current/ Over Voltage
- Built-in active PFC function
- 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		LV50P-12		LV50P-24	
OUTPUT	DC VOLTAGE	12V		24V	
	RATED CURRENT	4.2A		2.1A	
	CURRENT RANGE	0~4.2A		0~2.1A	
	RATED POWER	50W		50W	
	RIPPLE & NOISE (max.)	5Vp-p		5Vp-p	
	VOLTAGE TOLERANCE	± 3.0%			
	LINE REGULATION	± 1.0%			
	LOAD REGULATION	± 2.0%			
	SETUP,RISE TIME	1500ms,250ms/230VAC 3000ms,250ms/115ac at full load			
INPUT	VOLTAGE RANGE	100-240VAC			
	FREQUENCY RANGE	47~63Hz			
	EFFICIENCY (Typ.)	82% full load		84% full load	
	POWER FACTOR	PF>0.9/230VAC PF>0.95/115VAC at full load			
	AC CURRENT	1A/100VAC		0.50A/200A	
	INRUSH CURRENT(max.)	COLD STAT 70A/230VAC 35A/115VAC			
	LEAKAGE CURRENT	0.5mA/240VAC			
PROTECT ON	OVER CURRENT/ SHORT CIRCUIT	Above 150% ~200%rated output power or short circuit. 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			
		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		148*40*30mm (L*W*H)			

Mechanical Specification



Block Diagram

