



12W Single Output Switching Power Supply





Features:

- Constant voltage mode power supply
- Universal AC input / Full range
- Fully encapsulated with IP67 level
- Protections: Short circuit/Over current /Over Voltage
- Small and compact size
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- 2 years warranty

SPECIFICATION:

	MODEL	EV20F-12	EV20F-24
	DC VOLTAGE	12V	24V
	RATED CURRENT	2A(Max)	1A(Max)
	CURRENT RANGE	0~2A	0~1A
	RATED POWER	24W	24W
OUTPUT	RIPPLE & NOISE (max.)	300mVp-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/200VAC 24ms/100VAC at full load	
INPUT	VOLTAGE RANGE	90-264VAC	
	FREQUENCY RANGE	47∼63Hz	
	EFFICIENCY (Typ.)	80%	82%
	AC CURRENT(at full load)	0.6A/100VAC	
	INRUSH CURRENT (max.)	COLD STAT 70A/240VAC 35A/120VAC at full load	
	LEAKAGE CURRENT	0.25mA/240VAC	
PROTECTION	OVER CURRENT/ SHORT CIRCUIT	Above 150% \sim 200%rated output power or short circuit.	
		Protection type: Hiccup mode, recovers automatically after fault condition is removed.	
	OVER VOLTAGE	Protection type: Hiccup mode, reco	overs 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°C	
	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	Compliance to EN61347-1,EN61347-2-13,meet IP67	
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC	
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25~70% RH	

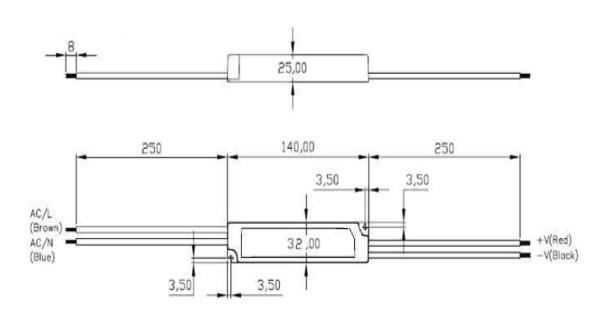


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EV20F Series

HARMONIC CURRENT	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	140*32*25mm (L*W*H)	

Mechanical Specification



Block Diagram

