


**50W Single Output Switching Power Supply LED DRIVER**
**FUSCC-20 SERIES**

**Features :**

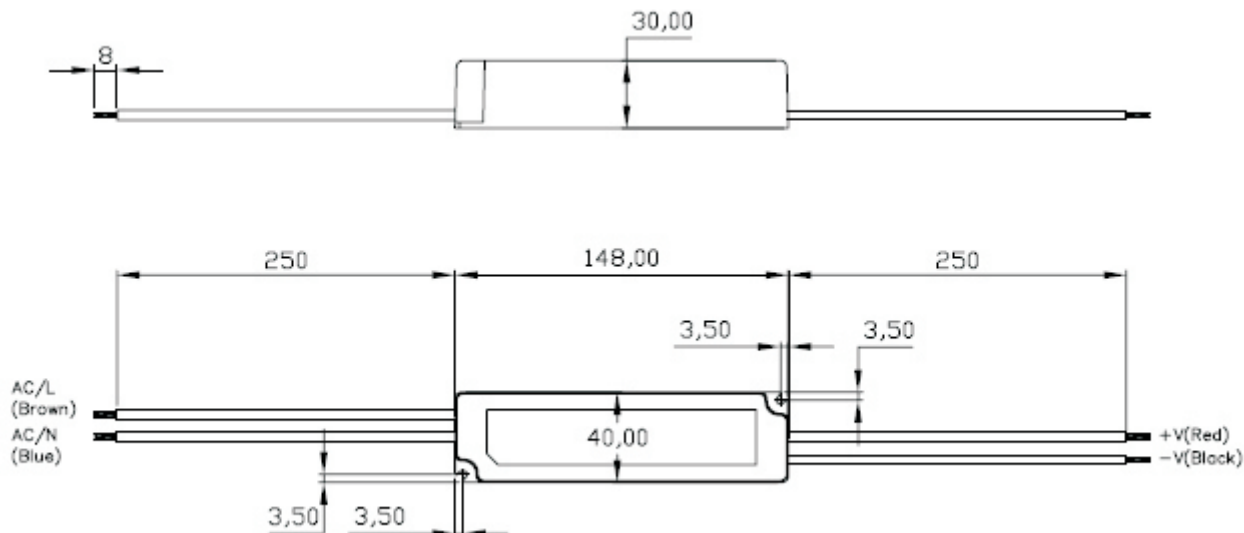
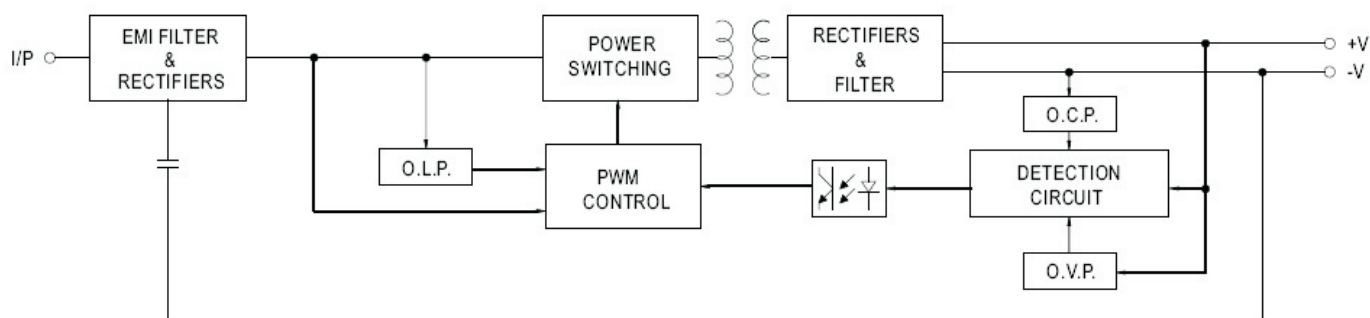
- Constant current mode** power supply
- Universal AC input / Full range
- Fully encapsulated with IP67 waterproof level
- Protections: Short circuit / Over current
- Small and compact size
- UL1310 Class 2 power unit, pass LPS
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications

**SPECIFICATION:**

MODEL		FUSCC50-1050WP	FUSCC50-700WP
OUTPUT	DC VOLTAGE	48V	80V
	DC VOLTAGE RANGE	9-48V	30-80V
	CURRENT RANGE	1050mA $\pm$ 3%	700mA $\pm$ 3%
	RATED POWER	50W	56W
	RIPPLE & NOISE (max.)	200mVp-p	300mVp-p
	VOLTAGE TOLERANCE	$\pm$ 3.0%	
	LINE REGULATION	$\pm$ 1.0%	
	LOAD REGULATION	$\pm$ 2.0%	
	SETUP, RISE TIME	500ms,250ms/230VAC 500ms,250ms/115ac at full load	
	HOLD UP TIME (Typ)	50ms/230VAC 24ms/115VAC at full load	
INPUT	VOLTAGE RANGE	90-264VAC	
	FREQUENCY RANGE	47 ~ 63Hz	
	EFFICIENCY (Typ.)	85% full load	85% full load
	AC CURRENT	1.1A/100AC 0.5A/240AC	
	INRUSH CURRENT(max.)	COLD STAT 70A/230VAC	
	LEAKAGE CURRENT	0.25mA/240VAC	
PROTECTION	OVER CURRENT	Above 105% rated output power. Protection type: Hiccup mode, recovers automatically after fault condition is removed.	
	OVER TEMPERATURE	Tj 140°C typically(U1) 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°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	$\pm$ 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 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)	

<http://www.ukai.com-ukai@ukai.com>

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**Mechanical Specification**

**Block Diagram**

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