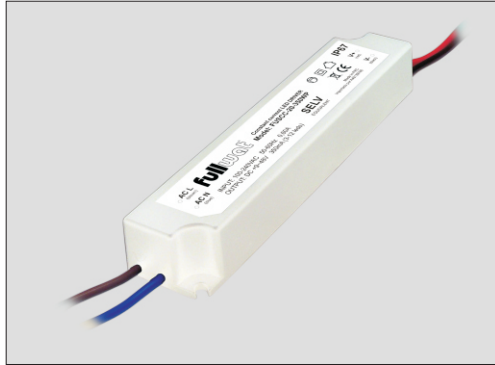




20W Single Output Switching Power Supply LED DRIVER

FUSCC-20 SERIES



**Features :**

- Constant current mode** power supply
- 100-120VAC /200-240VAC input only
- 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:**

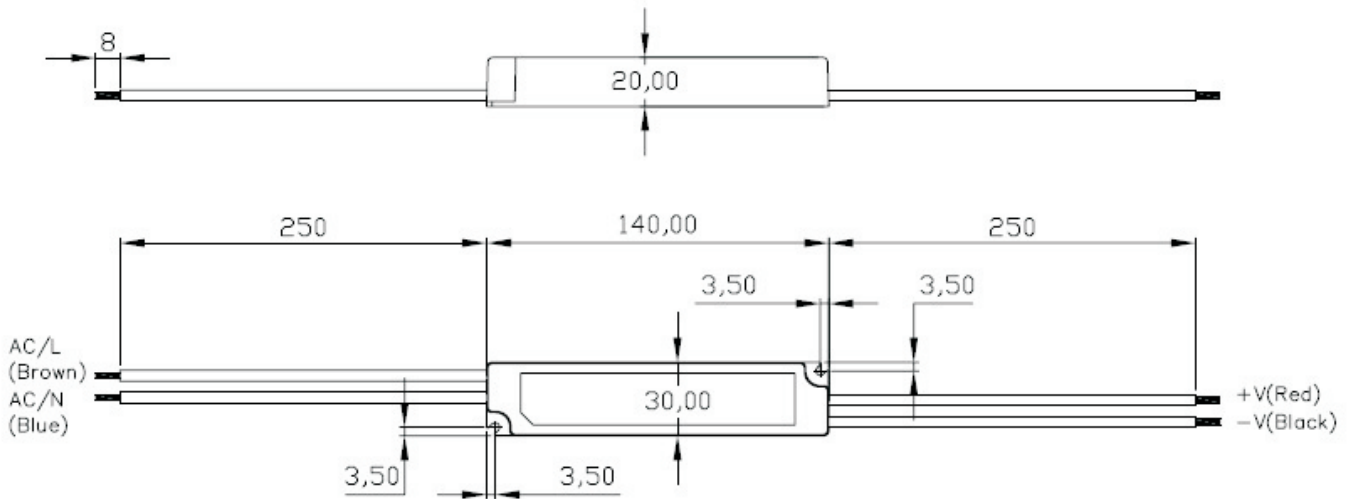
MODEL		FUSCC-20-350WP	FUSCC-20A-350WP	FUSCC-20-700WP	FUSCC-20A-350WP	
OUTPUT	DC VOLTAGE	48V		30V		
	DC VOLTAGE RANGE	9-48V (3-12 pcs / 1W LEDS)		3-30V (4-7 pcs / 3W LEDS)		
	CURRENT RANGE	350mA ±3%		700mA ±3%		
	RATED POWER	16.8W		21.0W		
	RIPPLE & NOISE (max.)	200mVp-p		200mVp-p		
	VOLTAGE TOLERANCE	±3.0%				
	LINE REGULATION	±1.0%				
	LOAD REGULATION	±2.0%				
	SETUP, RISE TIME	500ms,250ms/230VAC 500ms,250ms/115ac at full load				
	HOLD UP TIME(Typ.)	50ms/230VAC 24ms/115VAC at full load				
INPUT	VOLTAGE RANGE	180-264VAC	90-132VAC	180-264VAC	90-132VAC	
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY(Typ.)	80% full load		80% full load		
	AC CURRENT(at full load)	0.3A/200AC	0.55A/100VAC	0.35A/200AC	0.6A/100VAC	
	INRUSH CURRENT (max.)	COLD STAT 70A /240VAC 35A/120VAC at full load				
	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(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°C, 10 ~ 95% RH				
	TEMP COEFFICIENT	±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		140*30*20mm (L*W*H)				

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

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**Mechanical Specification**



**Block Diagram**

