

S.M.P.S

LED Converter

Water Proof Converter

F50CP2 Series

50W single output with C.C circuit
and PFC function



- **Constant current design**
- **Built-in PFC function**
- **Protections: Over current / Short circuit**
- **IP68 design for outdoor installations**
- **100% full load burn-in test**
- **Suitable for LED lighting and street lighting applications**
- **Safety standards : K61347-1, K61347-2-13,**
- **EMC standards : K00015, K61547**
- **Metal case**

IP68     SELV LPS   

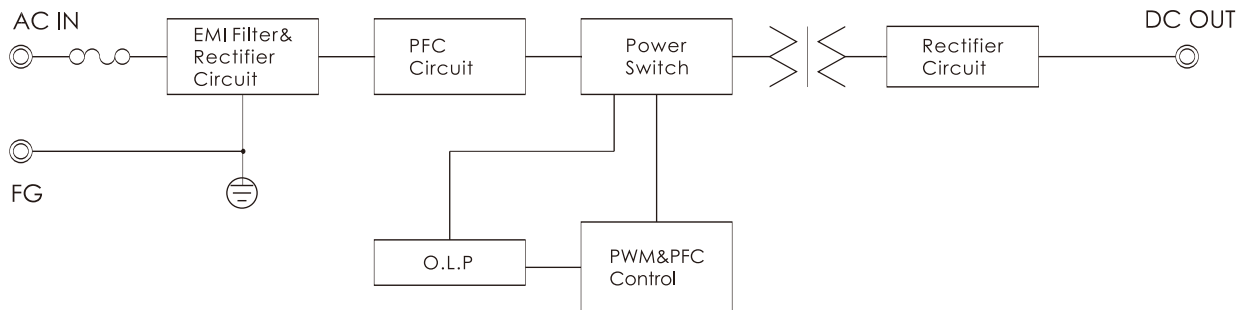
ITEM		UPF50S36CP2	UPF50S48CP2
INPUT	VOLTAGE RANGE	AC180~264V	
	FREQUENCY RANGE	47~63Hz	
	POWER FACTOR	PF>0.95 at over 75% of rated power	
	EFFICIENCY(typ.)	87%	88%
	AC CURRENT(typ.)	0.25A/220VAC	
	INRUSH CURRENT(typ.)	10A/220VAC	
	LEAKAGE CURRENT	<2.5mA / 220VAC	
OUTPUT	RATED CURRENT	1.25A	0.94A
	CONSTANT CURRENT REGION	20-36V	26-48V
	RATED POWER	45W	
	CURRENT ADJ. RANGE	0.75~1.25A	0.56~0.94A
	CURRENT ACCURACY	±5%	
	RIPPLE&NOISE(max.) Note2	3500mVp-p	
	SETUP,RISE TIME(max.)	3000ms,100ms/220VAC at full load	
PROTEC-TION	OVER CURRENT Note3	95~108%	
	SHORT CIRCUIT	Hiccup mode ; recovers automatically after fault condition is removed	
ISOLA-TION	WITHSTAND VOLTAGE	I/P-O/P:AC3.75KV, I/P-F.G:AC2KV, O/P-F.G:AC1.5KV	
	ISOLATION RESISTANCE	I/P-O/P, I/P-F.G, O/P-F.G:DC500V 100Mohms(At room temp. & humid.)	
ENVIRON-MENT	WORKING TEMP.&HUMID.	-30~+70℃ (Refer to "DERATING CURVE),20~95%RH	
	STORAGE TEMP.&HUMID.	-40~+80℃,10~95%RH	
	VIBRATION	10~500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes	
OTHERS	DIMENSION/WEIGHT	140*52.6*30mm(L*W*H)/0.35Kg	
NOTE	1. All parameters not specially mentioned are measured at 220vac input, rated load and 25℃ of ambient temperature. 2. Ripple & noise are measured at 20MHZ of bandwidth by using a 12" twisted pare-wire terminated with 0.1 uF & 47uF parallel capacitor. 3. Refer to "DRIVING METHODS of LED MODULE" 4. Turn on the AC switch after connecting the driver and the LED load		

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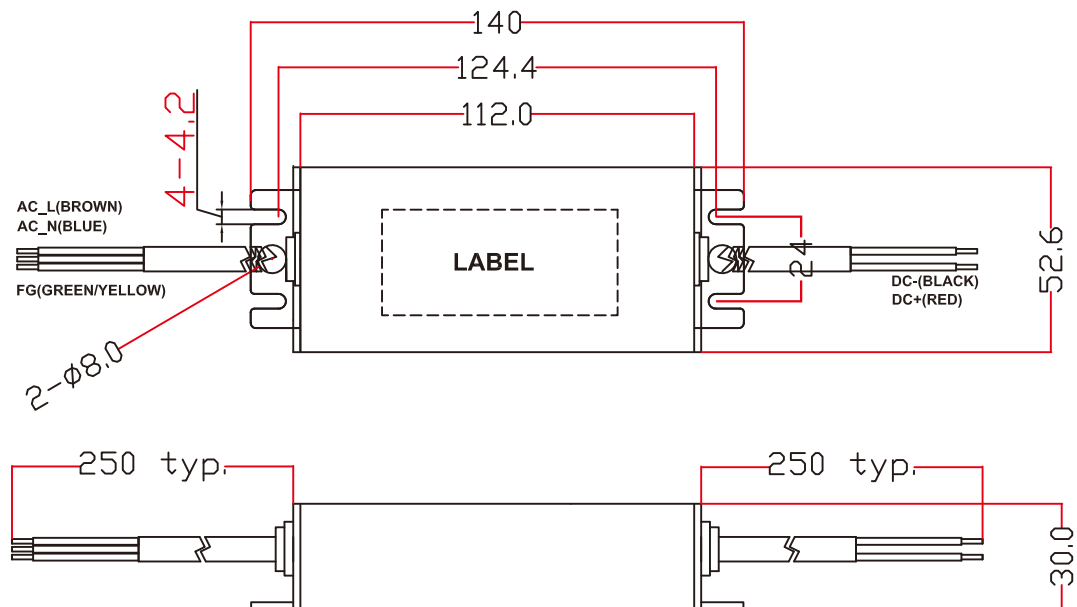
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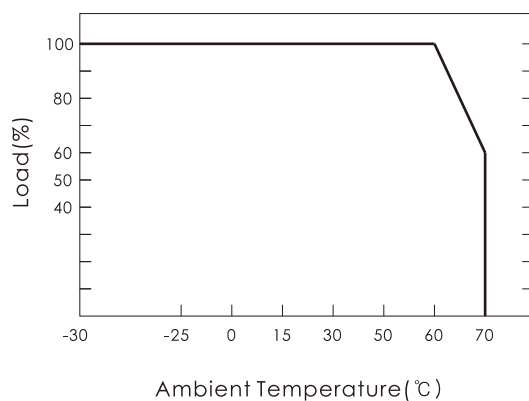
BLOCK DIAGRAM



DIMENSIONS(unit:mm)



DERATING CURVE



STATIC CHARACTERISTICS

