

S.M.P.S

LED Converter

Water Proof Converter

F200CH2 Series

200W single output with C.C circuit
and PFC function



- **Constant current design(C.C. mode)**
- 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 : K61347-2-1, K61347-2-13
- EMC standards : K00015, K61547, K61000-3-2,3
- Metal case

IP68     SELV LPS   

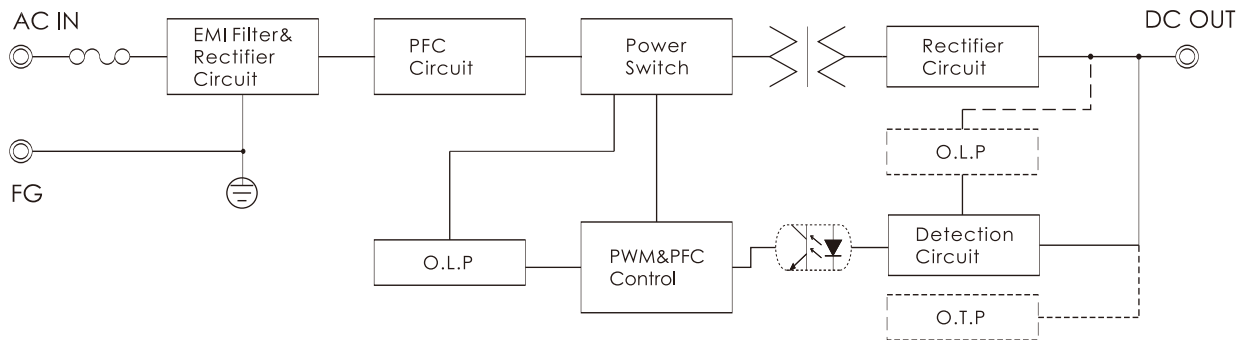
ITEM		UPF200S24CH2	UPF200S30CH2
INPUT	VOLTAGE RANGE	AC180~264V	
	FREQUENCY RANGE	47~63Hz	
	POWER FACTOR	PF>0.95 at full load	
	EFFICIENCY(typ.)	91%	91.5%
	AC CURRENT(typ.)	0.95A/230VAC	
	INRUSH CURRENT(typ.)	50A/230VAC	
	LEAKAGE CURRENT	<2.5mA / 230VAC	
OUTPUT	RATED CURRENT	7.7A	6.2A
	CONSTANT CURRENT REGION	18-24V	24-30V
	RATED POWER	185W	186W
	CURRENT ADJ. RANGE	5.5~7.7A	4~6.2A
	CURRENT ACCURACY	±5%	
	RIPPLE&NOISE(max.) Note2	150mVp-p	
	SETUP,RISE TIME(max.)	3000ms,100ms/230VAC at full load	
PROTEC-TION	HOLD UP TIME(typ.)	15ms/230VAC at full load	
	OVER CURRENT Note3	95~108%	
ISOLA-TION	SHORT CIRCUIT	Hiccup mode ; recovers automatically after fault condition is removed	
	WITHSTAND VOLTAGE	I/P-O/P:AC3KV, I/P-F.G:AC1.5KV, O/P-F.G:AC0.5KV	
ENVIRON-MENT	ISOLATION RESISTANCE	I/P-O/P, I/P-F.G, O/P-F.G:DC500V 100Mohms{At room temp. & humid.}	
	WORKING TEMP.&HUMID.	-40~+70℃ (Refer to "DERATING CURVE),20~95%RH	
	STORAGE TEMP.&HUMID.	-40~+80℃,10~95%RH	
OTHERS	VIBRATION	10~500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes	
	DIMENSION/WEIGHT	241*68*38.8mm(L*W*H)/1.15Kg	
NOTE	1. All parameters not specially mentioned are measured at 230vac 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"		

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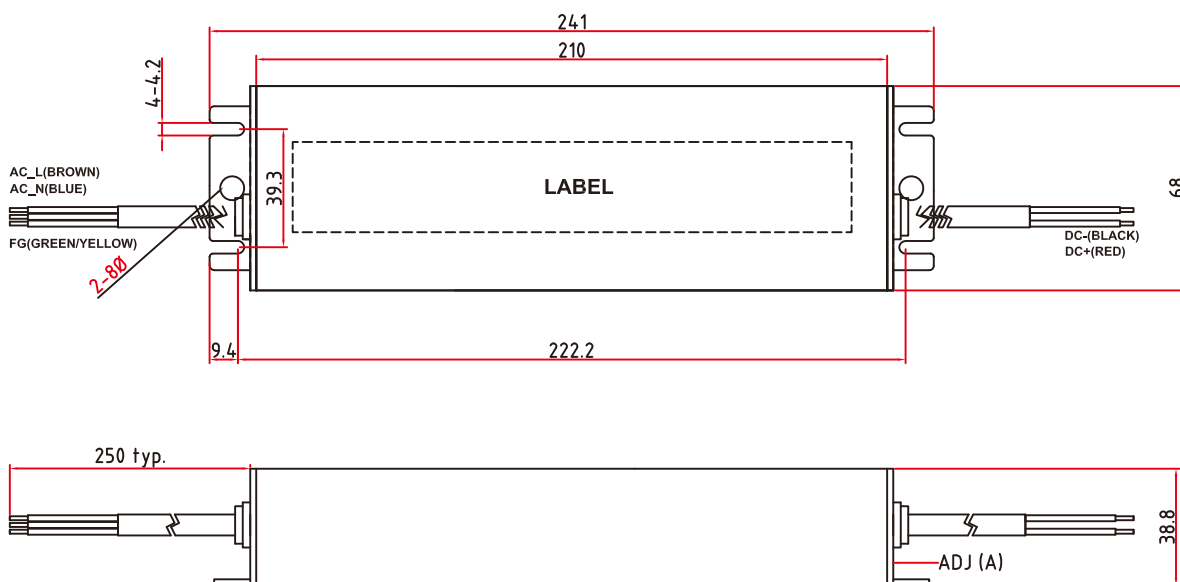
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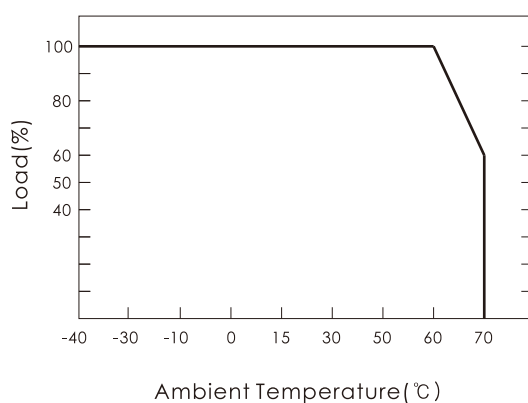
BLOCK DIAGRAM



DIMENSIONS(unit:mm)



DERATING CURVE



STATIC CHARACTERISTICS

