

S.M.P.S

LED Converter

Water Proof Converter

F100F33CQ2 Series

100W Fourth 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 & tunnel lighting applications**
- **Safety standards : K61347-2,1,K61347-2-13**
- **EMC standards : K00015,K61547,K61000-4-2,3,4,5,6,11**
- **Metal case**

IP68    

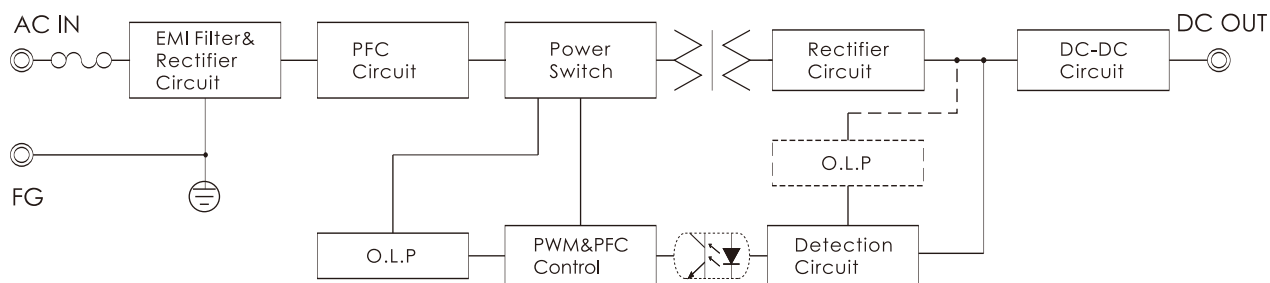
ITEM		UPF100F33CQ2			
INPUT	VOLTAGE RANGE	AC180~264V			
	FREQUENCY RANGE	47~63Hz			
	POWER FACTOR	PF>0.95 at over 80% of rated power			
	EFFICIENCY(typ.)	88%			
	AC CURRENT(typ.)	0.44A/230VAC(typ)			
	INRUSH CURRENT(typ.)	COLD START 50A/230VAC			
	LEAKAGE CURRENT	<2.5mA / 230VAC			
OUTPUT	RATED CURRENT	1Ch	2Ch	3Ch	4Ch
		700mA	700mA	700mA	700mA
	CURRENT ADJ. RANGE	525~700mA	525~700mA	525~700mA	525~700mA
	CONSTANT CURRENT REGION	18-30V			
	RATED POWER	84W			
	CURRENT ACCURACY	±5%			
	SETUP,RISE TIME(max.)	3000ms,100ms/230VAC at full load			
HOLD UP TIME(typ.)	50ms/230VAC at full load				
PROTEC-TION	OVER CURRENT Note2	Over 95~108% of rating ; recovers automatically after fault condition is removed			
	SHORT CIRCUIT	Constant current 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.	-40~+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	222*61.5*37.1mm(L*W*H)/0.75Kg			
NOTE	1. All parameters not specially mentioned are measured at 230vac input, rated load and 25℃ of ambient temperature. 2. Refer to “DRIVING METHODS of LED MODULE”				

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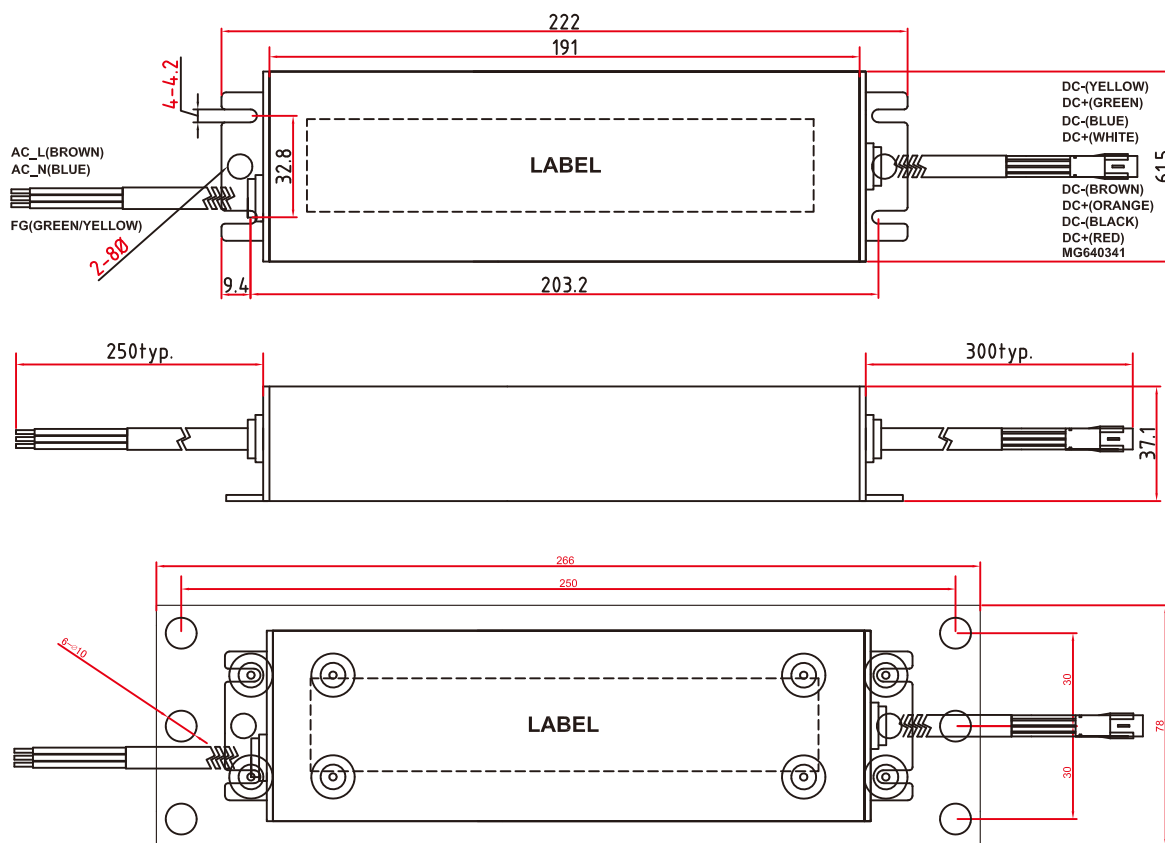
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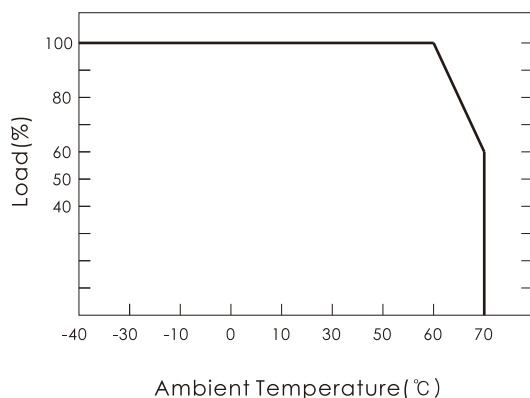
BLOCK DIAGRAM



DIMENSIONS(unit:mm)



DERATING CURVE



STATIC CHARACTERISTICS

