

S.M.P.S

LED Converter

Water Proof Converter

F300WQ2 Series

300W single output with C.V circuit
and PFC function



- Constant voltage design
- Built-in PFC function
- Protections: Over current / Over voltage / 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 : K61547, K00015
- Metal case
- 3 years warranty

IP68    SELV LPS   

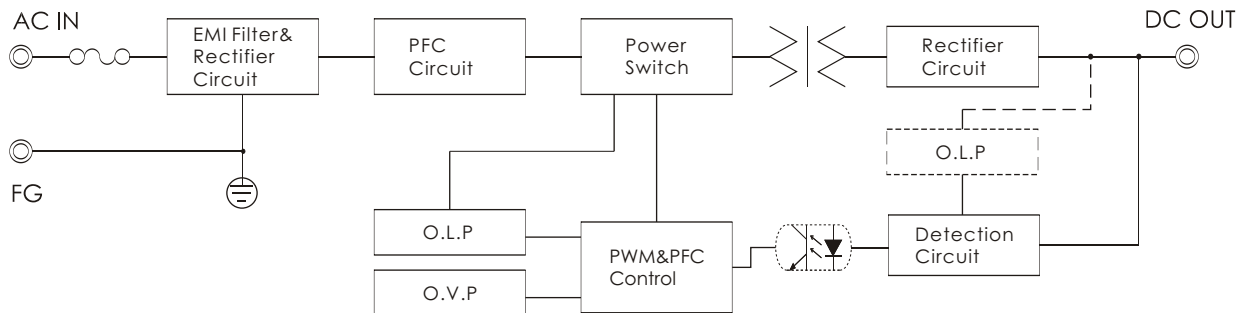
ITEM		UPF300S12WQ2
INPUT	VOLTAGE RANGE	AC160~305V
	FREQUENCY RANGE	47~63Hz
	POWER FACTOR	PF>0.9 at rated power
	EFFICIENCY(typ.)	89%
	AC CURRENT(typ.)	1.3A/230VAC
	INRUSH CURRENT(typ.)	40A/230VAC
	LEAKAGE CURRENT	<2.5mA / 230VAC
OUTPUT	DC VOLTAGE	12V
	RATED CURRENT	22A(18.75A@50°C)
	RATED POWER	264W
	CURRENT ACCURACY	±5%
	RIPPLE&NOISE(max.) Note2	150mVp-p
	SETUP, RISE TIME(max.)	3000ms, 100ms/230VAC at full load
	HOLD UP TIME(typ.)	10ms/230VAC at full load
PROTEC-TION	OVER CURRENT Note3	Over 110% of rating ; recovers automatically after fault condition is removed
	SHORT CIRCUIT	Hiccup mode ; recovers automatically after fault condition is removed
	OVER VOLTAGE	110~140% of rating
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~+50°C (Refer to "DERATING CURVE"), 20~95%RH
	STORAGE TEMP.& HUMID.	-40~+80°C, 10~95%RH
	VIBRATION	10~500Hz, 5G 12min./1 cycle, period for 72min. each along X, Y, Z axes
OTHERS	DIMENSION/WEIGHT	263*68*38.8mm(L*W*H)/1.15Kg
NOTE	<p>1. All parameters not specially mentioned are measured at 230Vac input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with 0.1 uF & 47uF parallel capacitor.</p> <p>3. Refer to "DRIVING METHODS of LED MODULE"</p>	

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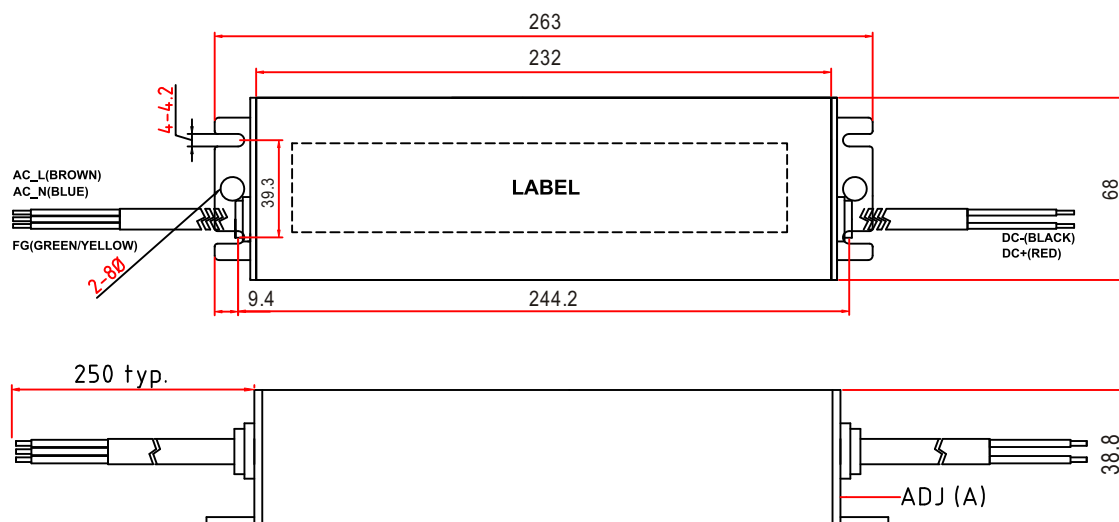
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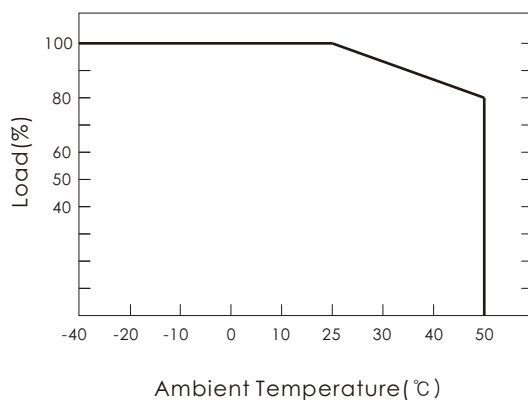
BLOCK DIAGRAM



DIMENSIONS(unit:mm)



DERATING CURVE



STATIC CHARACTERISTICS

