

S.M.P.S

LED Converter

Water Proof Converter

150W2C Series

150W single output
with constant voltage circuit



- **Constant voltage design(C.V. mode)**
- **AC Input voltage 160-277V**
- **Protections:**
Over load/Over voltage /Short circuit /Over temperature
- **IP68 design for outdoor installations**
- **100% full load burn-in test**
- **Suitable for LED lighting and moving sign applications**
- **Small metal case**
- **Safety standards : EN61347-1,EN61347-2-13**
- **EMC standards : EN55022,EN61204-3, EN61000-3-2,3**
- **5years warranty**

IP68       SELV LPS CB CE

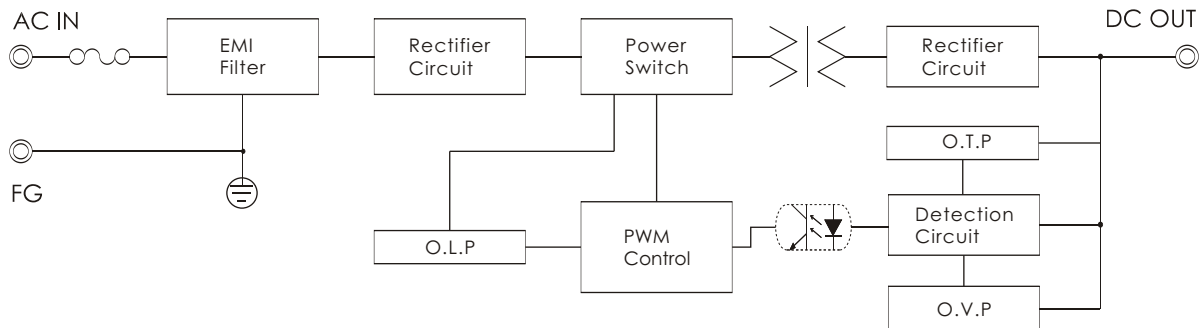
ITEM		UP150S12W2C		UP150S24W2C	
INPUT	VOLTAGE RANGE	AC160~277V			
	FREQUENCY RANGE	47~63Hz			
	EFFICIENCY(typ.)	86%		87%	
	AC CURRENT(typ.)	1.4A/220VAC			
	INRUSH CURRENT(typ.)	COLD START 45A/220VAC			
	LEAKAGE CURRENT	<2mA/220VAC			
OUTPUT	DC VOLTAGE	12V		24V	
	RATED CURRENT	12.5A(11A@50℃)		6.3A(5.5A@50℃)	
	RATED POWER	150W			
	RIPPLE&NOISE(max.) <small>Note2</small>	220mVp-p			
	VOLTAGE TOLERANCE <small>Note3</small>	±3%			
	LINE REGULATION <small>Note4</small>	±1%			
	LOAD REGULATION <small>Note5</small>	±2%			
	SETUP,RISE TIME(max.)	3000ms,200ms/220VAC at full load			
	HOLD UP TIME(typ.)	15ms/220VAC at full load			
PROTEC-TION	SHORT CIRCUIT	Hiccup mode ; recovers automatically after fault condition is removed			
	OVER LOAD	Over 110% of rating ; recovers automatically after fault condition is removed			
	OVER VOLTAGE	115~140% of rating			
	OVER TEMPERATURE	100±10℃ (temp. Sensor) ; recovers automatically after fault condition is removed			
ISOLA-TION	WITHSTAND VOLTAGE	I/P-O/P:AC3KV, I/P-F.G:AC1.5KV, O/P-F.G:AC0.5KV			
	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~+75℃,10~95%RH			
	VIBRATION	10~500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes			
OTHERS	DIMENSION/WEIGHT	218*55.5*37.3mm(L*W*H)/0.685Kg			
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. Tolerance : includes set up tolrance, line regulation and load regulation. 4. Line regulation is measured from low line to high line at rated load. 5. Load regulation is measured from low 0% to 100% rated load.				

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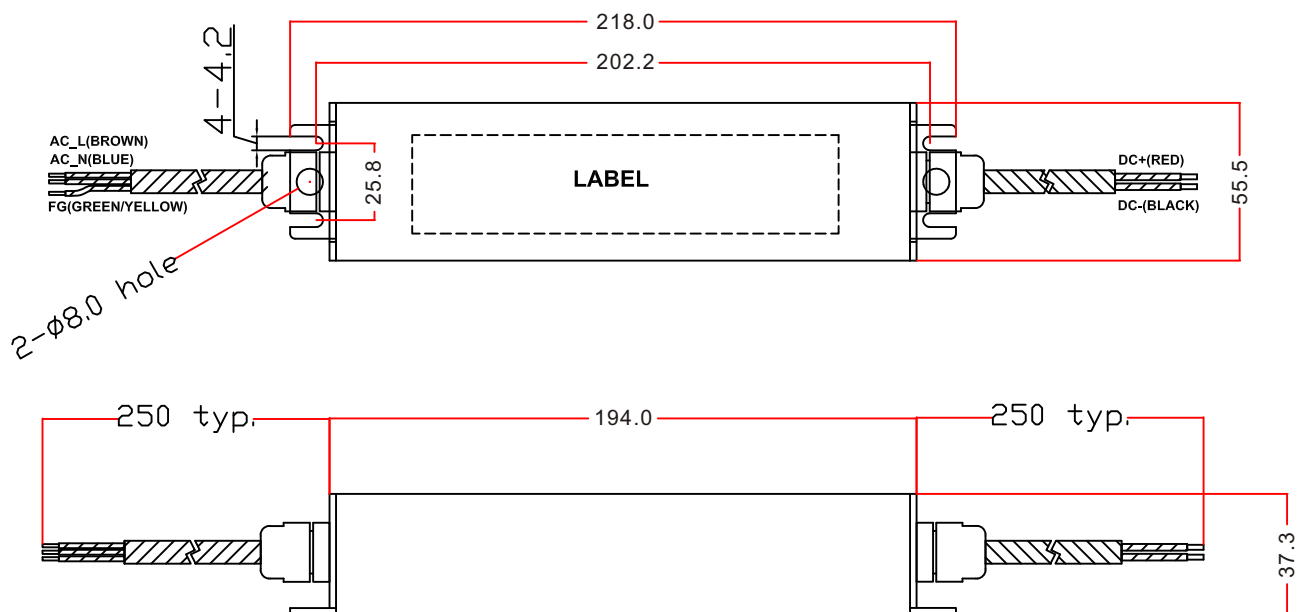
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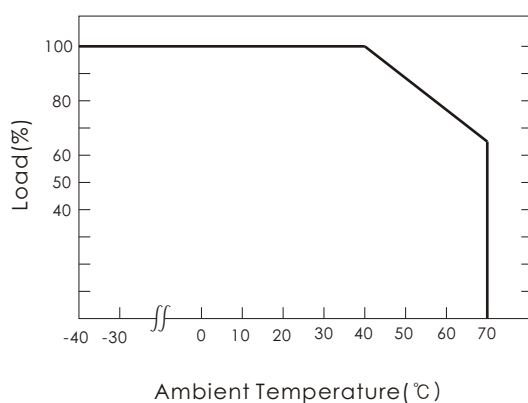
BLOCK DIAGRAM



DIMENSIONS(unit:mm)



DERATING CURVE



STATIC CHARACTERISTICS

