S.M.P.S | LED Converter | Water Proof Converter

150W1 Series

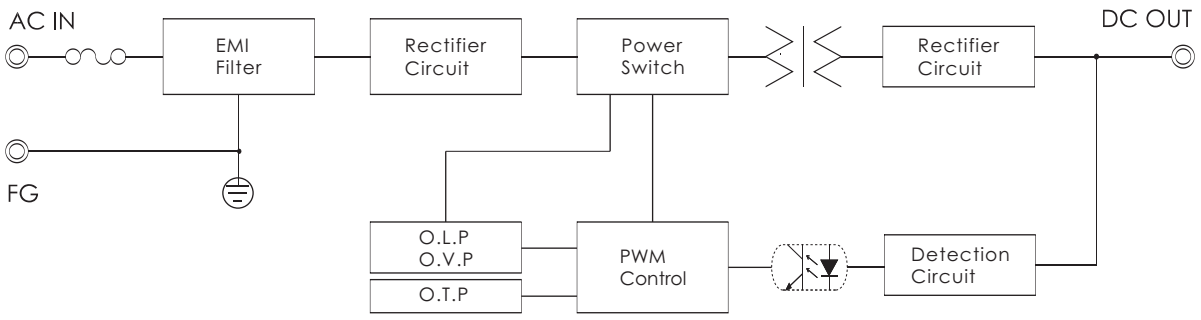
150W single output
with constant voltage circuit

- Constant voltage design(C.V. mode)
- AC Input voltage 100-120V
- Protections:
  Overload/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
- Metal case
- Safety standards : UL879
- EMC standards : FCC Part 15 classB
- 3years warranty

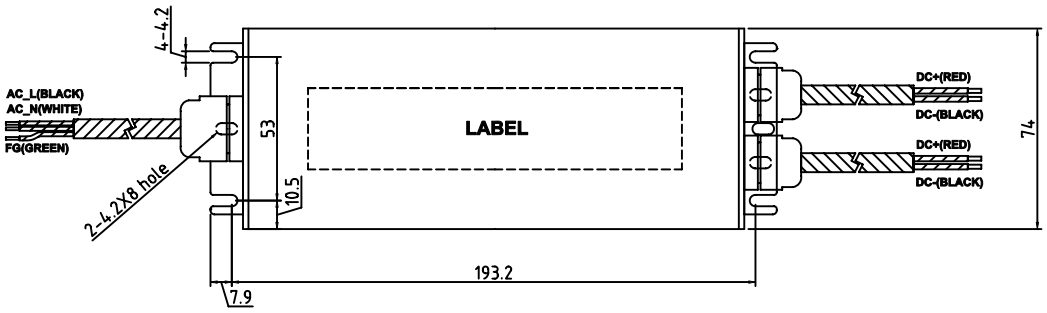
IP68 SELV LPS Pending

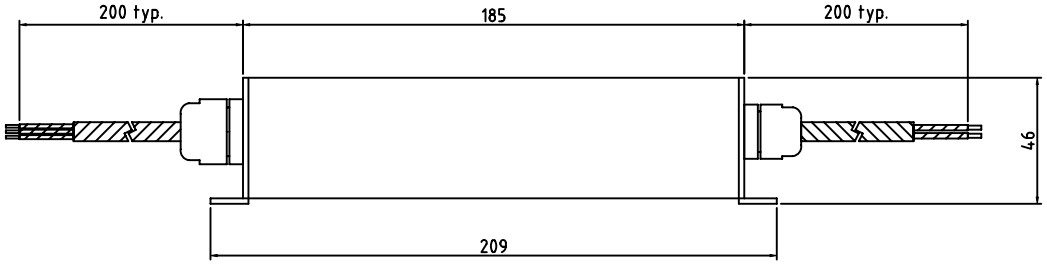
ITEM		UP150S12W1
INPUT	VOLTAGE RANGE	AC100~120V
	FREQUENCY RANGE	47~63Hz
	EFFICIENCY(typ.)	85%
	AC CURRENT(typ.)	2.2A/100VAC
	INRUSH CURRENT(typ.)	COLD START 40A/100VAC
	LEAKAGE CURRENT	<1.4mA / 100VAC
OUTPUT	DC VOLTAGE	12V
	RATED CURRENT	12.5A(9.37A@50℃)
	RATED POWER	150W
	RIPPLE&NOISE(max.) Note2	170mVp-p
	VOLTAGE ADJ. RANGE	±5%
	VOLTAGE TOLERANCE Note3	±3%
	LINE REGULATION Note4	±1%
	LOAD REGULATION Note5	±2%
	SETUP,RISE TIME(max.)	3000ms,100ms/100VAC at full load
	HOLD UP TIME(typ.)	10ms/100VAC at full load
PROTEC -TION	SHORT CIRCUIT	Hiccup mode ; recovers automatically after fault condition is removed
	OVERLOAD	Over 110% of rating ; recovers automatically after fault condition is removed
	OVER VOLTAGE	115~140% of rating
	OVER TEMPERATURE	90±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.	-30~+50℃(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	209*74*46.5mm(L*W*H)
	PACKING	0.95Kg
NOTE	1. All parameters not specially mentioned are measured at 220Vac input, rared 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.	

■ BLOCK DIAGRAM

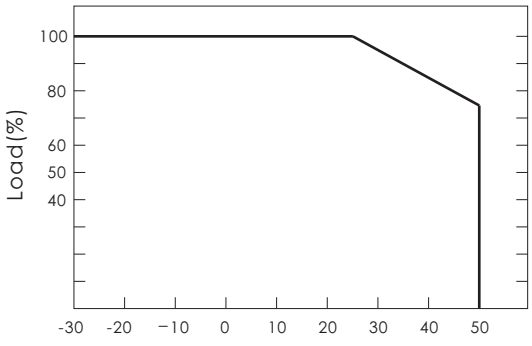


■ DIMENSIONS(unit:mm)



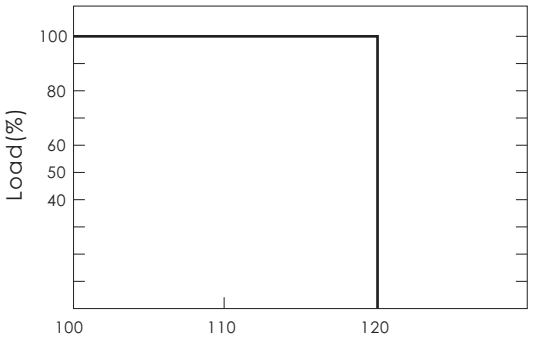


■ DERATING CURVE



Ambient Temperature(℃)

■ STATIC CHARACTERISTICS



Input Voltage(Vac), 60Hz