

S.M.P.S

LED Converter

Water Proof Converter

60W2F Series

60W single output
with constant voltage circuit



- **Constant voltage design(C.V. mode)**
- AC Input voltage 160-277V
- Protections:
Overload/Over voltage /Short circuit
- IP62 design for indoor installations
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- Plastic case
- Safety standards : EN61347-1,EN61347-2-13 /K61347-1,K61347-2-13
- EMC standards : EN55015,EN61547, EN61000-3-2,3/K00015,K61547
- 3years warranty

IP62 SELV LPS CB CE

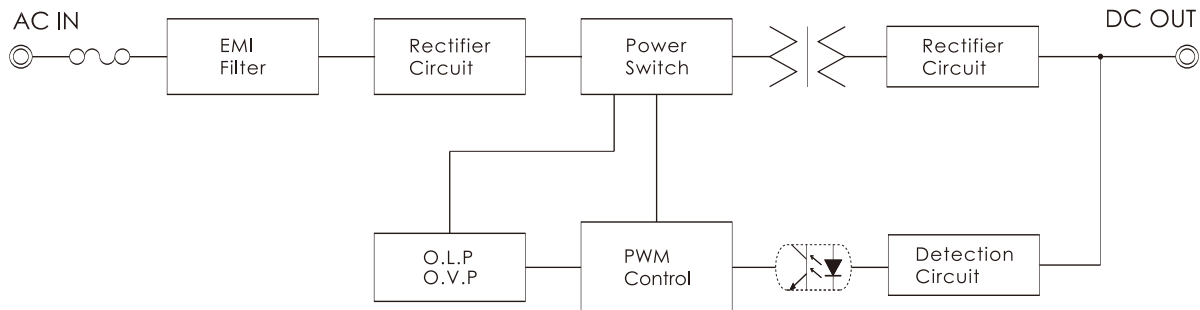
ITEM		UP60S12W2F	UP60S24W2F
INPUT	VOLTAGE RANGE	AC160~277V	
	FREQUENCY RANGE	47~63Hz	
	EFFICIENCY(typ.)	86%	87%
	AC CURRENT(typ.)	0.6A/230VAC	
	INRUSH CURRENT(typ.)	COLD START 50A/230VAC	
OUTPUT	DC VOLTAGE	12V	24V
	RATED CURRENT	5A(3.75A@50°C)	2.5A(1.87A@50°C)
	RATED POWER	60W	
	RIPPLE&NOISE(max.) <small>Note2</small>	400mVp-p	
	VOLTAGE TOLERANCE <small>Note3</small>	±3%	
	LINE REGULATION <small>Note4</small>	±1%	
	LOAD REGULATION <small>Note5</small>	±2%	
	SETUP,RISE TIME(max.)	3000ms,100ms/230VAC at full load	
	HOLD UP TIME(typ.)	50ms/230VAC 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	Over 110% of rating ; recovers automatically after fault condition is removed	
ISOLA-TION	WITHSTAND VOLTAGE	I/P-O/P:AC3KV	
	ISOLATION RESISTANCE	I/P-O/P : DC500V 100Mohms(At room temp. & humid.)	
ENVIRON-MENT	WORKING TEMP.&HUMID.	-40~+50℃(Refer to "DERATING CURVE"),20~95%RH	
	STORAGE TEMP.&HUMID.	-40~+75℃,10~95%RH	
	VIBRATION	10~500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes	
OTHERS	DIMENSION/WEIGHT	202*29.8*23.2mm(L*W*H)/0.18Kg	
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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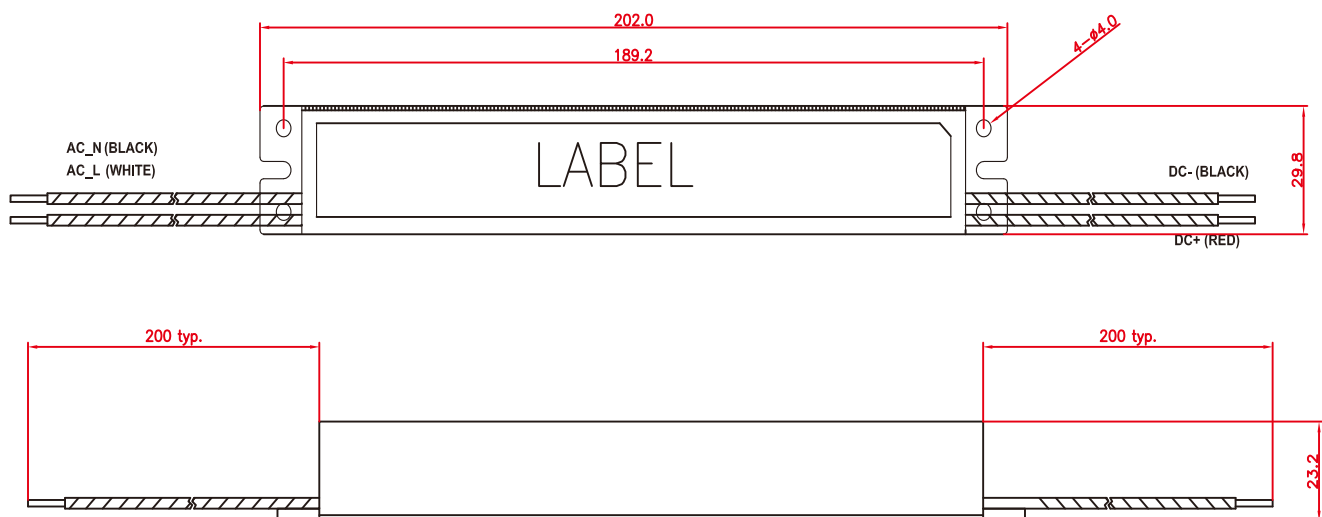
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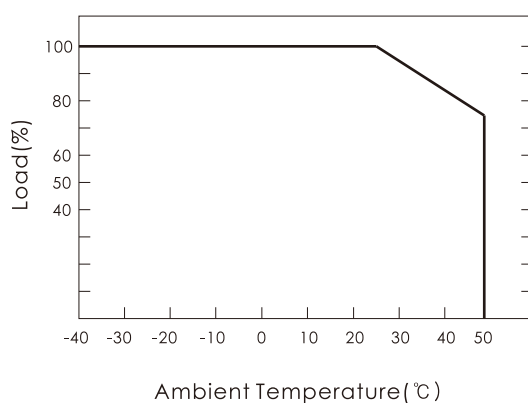
BLOCK DIAGRAM



DIMENSIONS(unit:mm)



DERATING CURVE



STATIC CHARACTERISTICS

