S.M.P.S

LED Converter

Water Proof Converter

60W2(V1)M

Metal case,60W 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
- Metal case
- Safety standards: EN61347-1,EN61347-2-13 /K61347-1,K61347-2-13
- EMC standards: EN55022, EN61204-3, EN61000-3-2,3/K00015,K61547
- 3years warranty

CO (\(\frac{110}{2} \) \(\frac{1}{2} \) \(\f

	ITEM	UP60\$12W2(V1)M	UP60\$24W2(V1)M
INPUT	VOLTAGE RANGE	AC160~277V	
	FREQUENCY RANGE	47~63Hz	
	EFFICIENCY(typ.)	84%	86%
	AC CURRENT(typ.)	0.5A/230VAC	
	INRUSH CURRENT(typ.)	COLD START 40A/230VAC	
OUTPUT	DC VOLTAGE	12V	24V
	RATED CURRENT	5A	2.5A
	RATED POWER	60W	60W
	RIPPLE&NOISE(max.) Note2	220mVp-p	340mVp-p
	VOLTAGE ADJ. RANGE	±5%	
	VOLTAGE TOLERANCE Note3	±3%	
	LINE REGULATION Note4	±1%	
	LOAD REGULATION Note5	±2%	
	SETUP, RISE TIME(max.)	3000ms,100ms/230VAC at full load	
	HOLD UP TIME(typ.)	25ms/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	115~140% of rating	
	OVER TEMPERATURE	$85\pm10^{\circ}\mathrm{C}$ (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°C (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	
THERS	DIMENSION/WEIGHT	171*48.1*36.8mm(L*W*H)/0.4Kg	

- 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.

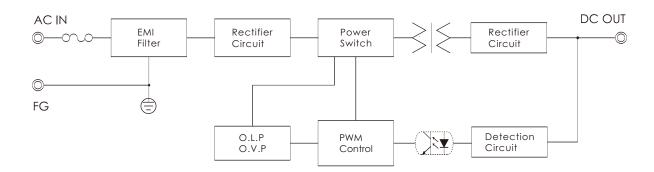
NOTE

S.M.P.S

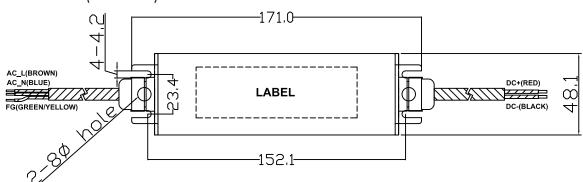
LED Converter

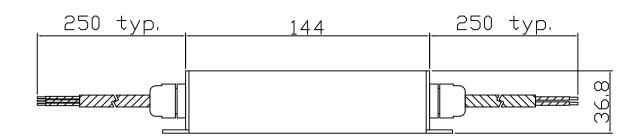
Water Proof Converter

■ BLOCK DIAGRAM

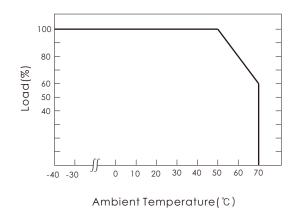


■ DIMENSIONS (unit:mm)





■ DERATING CURVE



■ STATIC CHARACTERISTICS

