

S.M.P.S

LED Converter

Water Proof Converter

100W2SC Series

100W single output
with constant voltage circuit



- **Constant voltage design(C.V. mode)**
- **AC Input voltage 160-277V**
- **Protections:**
Overload/Over voltage /Short circuit
- **IP68 design for outdoor installations**
- **100% full load burn-in test**
- **Suitable for LED lighting and moving sign applications**
- **Compact 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**

IP68     SELV LPS CB CE 

ITEM		UP100S12W2SC	UP100S24W2SC
INPUT	VOLTAGE RANGE	AC160~277V	
	FREQUENCY RANGE	47~63Hz	
	EFFICIENCY(typ.)	85%	87%
	AC CURRENT(typ.)	0.7A/220VAC	
	INRUSH CURRENT(typ.)	COLD START 40A/220VAC	
	LEAKAGE CURRENT	<2mA/220VAC	
OUTPUT	DC VOLTAGE	12V	24V
	RATED CURRENT	7.1A	3.6A
	RATED POWER	85W	
	RIPPLE&NOISE(max.) Note2	220mVp-p	
	VOLTAGE TOLERANCE Note3	±3%	
	LINE REGULATION Note4	±1%	
	LOAD REGULATION Note5	±2%	
	SETUP,RISE TIME(max.)	3000ms,100ms/220VAC at full load	
	HOLD UP TIME(typ.)	25ms/220VAC 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	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	193*48.1*36.8mm(L*W*H)/0.55Kg	

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 tolerance, 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.

