

S.M.P.S

LED Converter

Water Proof Converter

200W2LCM Series

200W single output
with constant voltage circuit



- **Constant voltage design(C.V. mode)**
- **AC Input voltage 180-264V**
- **Protections: Over load/Short circuit**
- **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**
- **EMC standards : EN55022,EN61204-3, EN61000-3-2,3**
- **3years warranty**

IP68     SELV CB CE expectation

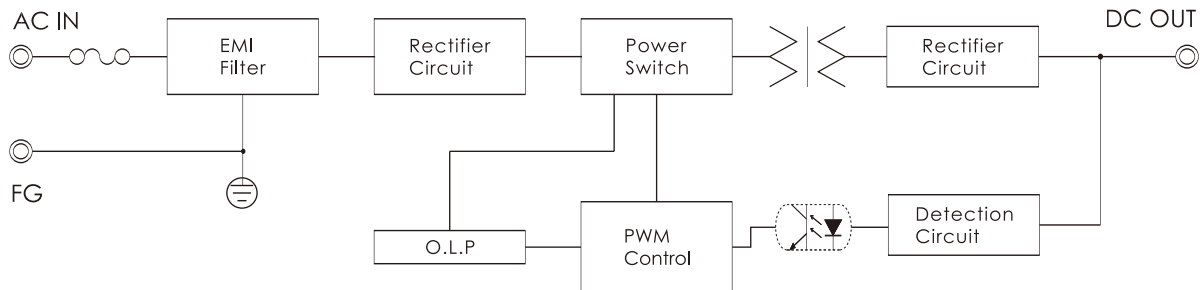
ITEM		UP200S12W2LCM		UP200S24W2LCM	
INPUT	VOLTAGE RANGE	AC180~264V			
	FREQUENCY RANGE	47~63Hz			
	EFFICIENCY(typ.)	91%			
	AC CURRENT(typ.)	1.9A/220VAC			
	INRUSH CURRENT(typ.)	COLD START 40A/220VAC			
	LEAKAGE CURRENT	<2mA / 220VAC			
OUTPUT	DC VOLTAGE	12V		24V	
	RATED CURRENT	15A(13A@50°C)		7.5A(6.5A@50°C)	
	RATED POWER	180W			
	RIPPLE&NOISE(max.) Note2	600mVp-p			
	VOLTAGE TOLERANCE Note3	±4%			
	LINE REGULATION Note4	±2%			
	LOAD REGULATION Note5	±2%			
	SETUP,RISE TIME(max.)	3000ms,100ms/220VAC at full load			
	HOLD UP TIME(typ.)	20ms/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			
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	297*40*24.8mm(L*W*H)/0.32kg			
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.				

S.M.P.S

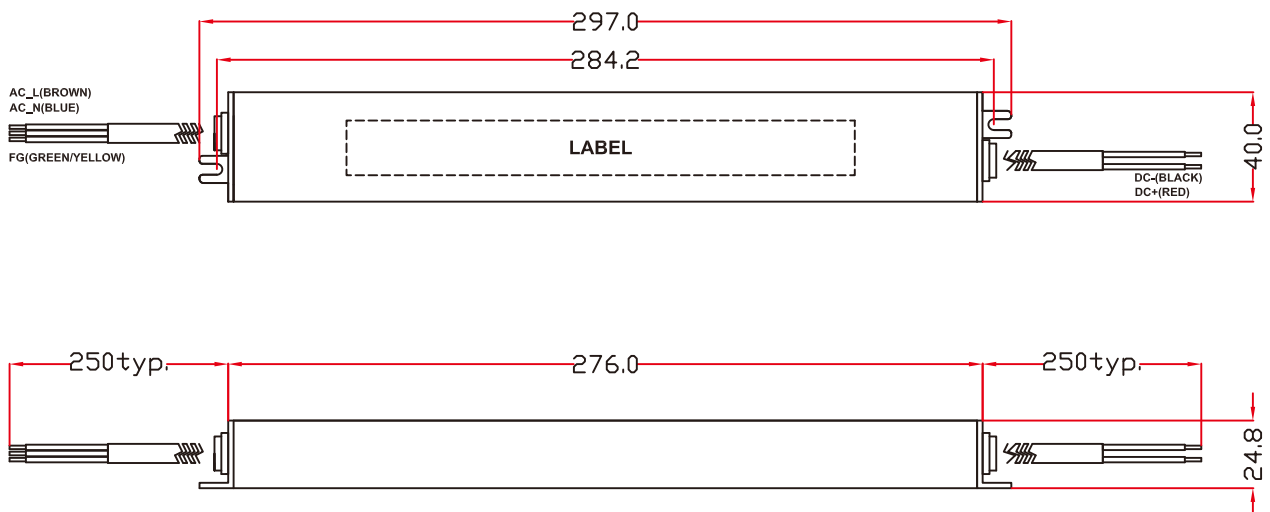
LED Converter

Water Proof Converter

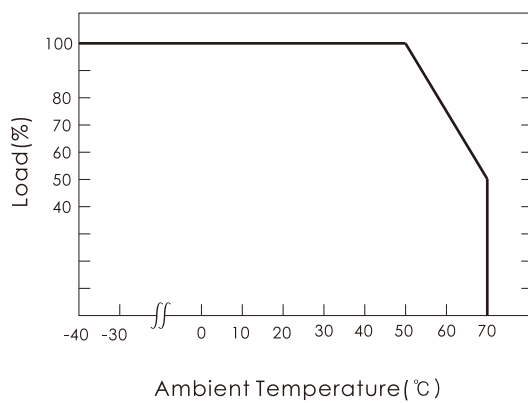
BLOCK DIAGRAM



DIMENSIONS(unit:mm)



DERATING CURVE



STATIC CHARACTERISTICS

