

S.M.P.S

LED Converter

Water Proof Converter

# 150W2LCM Series

150W 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               |                          | UP150S12W2LCM   | UP150S24W2LCM |
|--------------------|--------------------------|---|---------------|
| INPUT              | VOLTAGE RANGE            | AC180~264V  |               |
|                    | FREQUENCY RANGE          | 47~63Hz   |               |
|                    | EFFICIENCY(typ.)         | 91%   |               |
|                    | AC CURRENT(typ.)         | 1.6A/220VAC   |               |
|                    | INRUSH CURRENT(typ.)     | COLD START 40A/220VAC   |               |
|                    | LEAKAGE CURRENT          | <2mA / 220VAC   |               |
| OUTPUT             | DC VOLTAGE               | 12V   | 24V           |
|                    | RATED CURRENT            | 12.5A   | 6.3A          |
|                    | RATED POWER              | 150W  |               |
|                    | 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         | 282*40*24.8mm(L*W*H)/0.30kg   |               |

**NOTE**

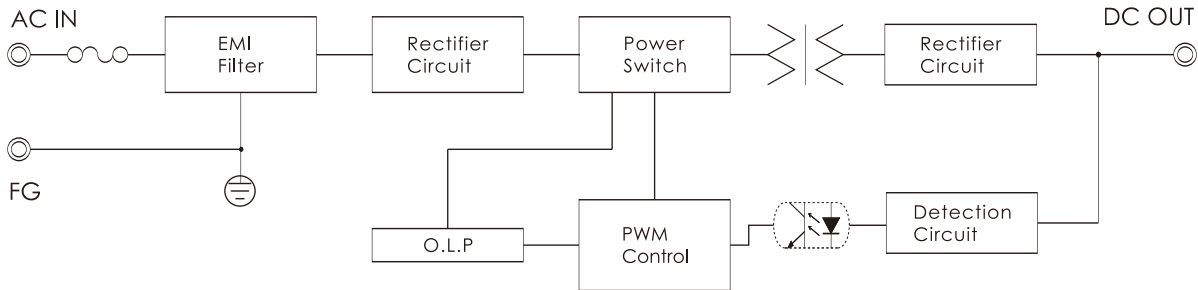
1. All parameters not specially mentioned are measured at 220vac input, rated load and 25℃ of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pare-wire terminated with 0.1 uF & 47uF parallel capacitor.
3. Tolerance : includes set up tolrance, line regulation 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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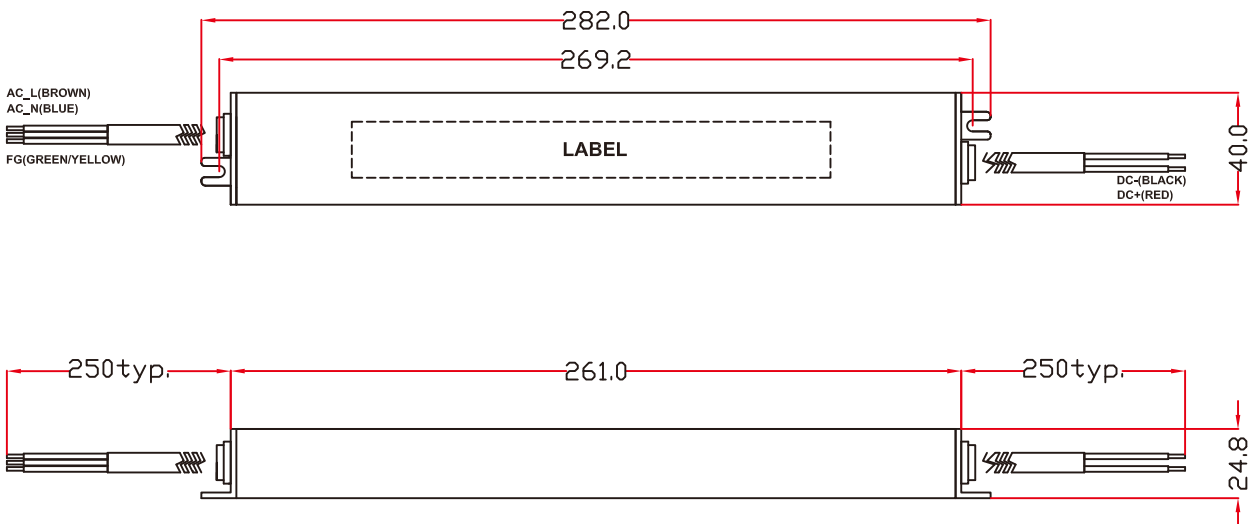
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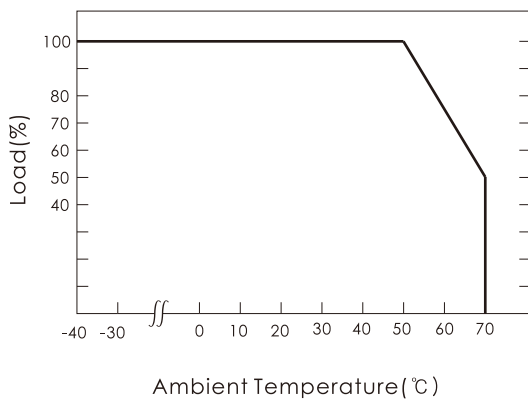
■ BLOCK DIAGRAM



■ DIMENSIONS(unit:mm)



■ DERATING CURVE



■ STATIC CHARACTERISTICS

