

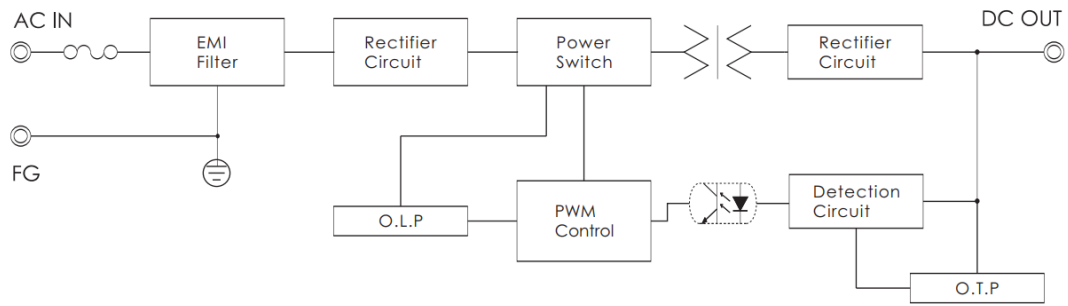
### UP-W2L Metal Case Features



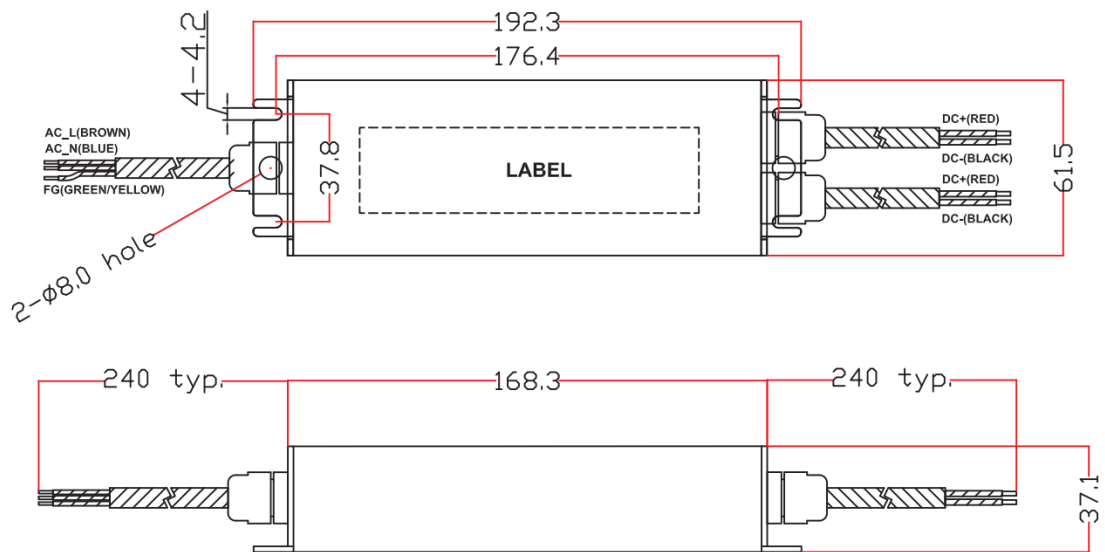
- Constant voltage design (CV mode)
- AC input voltage 180~246Vac
- Protection : Over load/Short circuit/Over temperature
- IP68 design for outdoor installation
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- Compact Metal case
- Safety standards : EN61347-2-13/K61347-1, K61347-2-13
- EMC standards : EN55022, EN61204-3, EN61000-3-2, 3/K00015
- 2 years warranty.

| ITEM         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | UP300S12W2L                                                                   |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| INPUT        | VOLTAGE RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | AC180~264V                                                                    |
|              | FREQUENCY RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 47~63Hz                                                                       |
|              | EFFICIENCY(typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 91%                                                                           |
|              | AC CURRENT(typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2.4A/220VAC                                                                   |
|              | INRUSH CURRENT(typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | COLD START 45A/220VAC                                                         |
| OUTPUT       | LEAKAGE CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <2mA / 220VAC                                                                 |
|              | DC VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 12V                                                                           |
|              | RATED CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2.1A(18.8A@50°C)                                                              |
|              | RATED POWER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 258W                                                                          |
|              | RIPPLE&NOISE (max.)<br>Note2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1000mVp-p                                                                     |
| PROTEC-TION  | VOLTAGE TOLERANCE<br>Note3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ±3%                                                                           |
|              | LINE REGULATION Note4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ±1%                                                                           |
|              | LOAD REGULATION Note5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ±2%                                                                           |
|              | SETUP, RISE TIME (max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3000ms, 100ms/220VAC at full load                                             |
|              | HOLD UP TIME(typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5ms/220VAC at full load                                                       |
| ISOLATION    | SHORT CIRCUIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Hiccup mode ; recovers automatically after fault condition is removed         |
|              | OVER LOAD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Over 110% of rating ; recovers automatically after fault condition is removed |
|              | OVER TEMPERATURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | recovers automatically after fault condition is removed                       |
| ENVIRON-MENT | 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. & humidity)         |
|              | WORKING TEMP. & HUMID.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -40~+70°C (Refer to "DERATING CURVE"), 20~95%RH                               |
| OTHERS       | STORAGE TEMP. & HUMID.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -40~+75°C, 10~95%RH                                                           |
|              | VIBRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10~500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z              |
|              | DIMENSION/WEIGHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 192.3*61.5*37.1mm(L*W*H)/690g                                                 |
| NOTE         | <ul style="list-style-type: none"> <li>• All parameters not specially mentioned are measured at 220Vac input, rated load and 25°C ambient temperature.</li> <li>• Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with 0.1uF &amp; 47uF parallel capacitor.</li> <li>• Tolerance: includes set up tolerance, line regulation and load regulation.</li> <li>• Line regulation is measured from low line to high line at rated load.</li> <li>• Load regulation is measured from low 0% to 100% rated load.</li> <li>•</li> </ul> |                                                                               |
|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                               |
|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                               |
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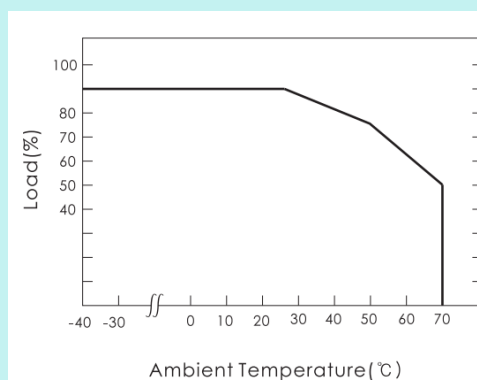
- BLOCK DIAGRAM:**



- DIMENSIONS (unit: mm)**



### DERATING CURVE



### STATIC CHARACTERISTICS

