



Automatización Eléctrica

Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking HERE. [HERE](#)


■ Features :

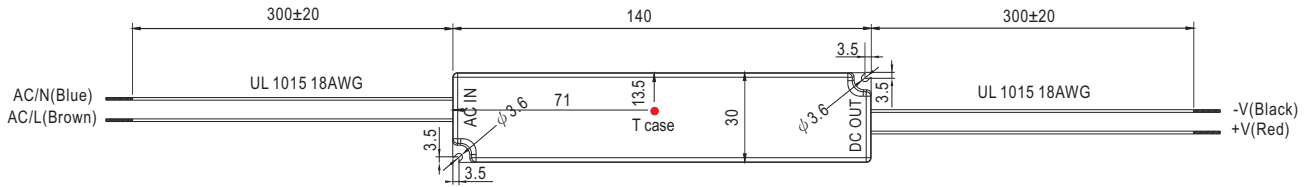
- 90-132VAC input only
- Fully encapsulated with IP67 level (Note.5)
- Protections: Short circuit/Overload/Over voltage/Over temperature
- Cooling by free air convection
- Class II power unit, no FG
- Pass LPS
- 100% full load burn-in test
- Suitable for LED lighting and moving sign applications
- High reliability/Low cost
- 2 years warranty


SPECIFICATION

| MODEL | | LPL-18-12 | | LPL-18-24 | LPL-18-36 |
|--------------|--|---|-------------|--------------|-----------|
| OUTPUT | DC VOLTAGE | 12V | | 24V | 36V |
| | RATED CURRENT | 1.5A | | 0.75A | 0.5A |
| | CURRENT RANGE | 0 ~ 1.5A | | 0 ~ 0.75A | 0 ~ 0.5A |
| | RATED POWER | 18W | | 18W | 18W |
| | RIPPLE & NOISE (max.) Note.2 | 120mVp-p | | 150mVp-p | 200mVp-p |
| | VOLTAGE TOLERANCE Note.3 | ±3.0% | | | |
| | LINE REGULATION | ±1.0% | | | |
| | LOAD REGULATION | ±2.0% | | | |
| | SETUP, RISE TIME | 1500ms, 30ms / 115VAC | | | |
| | HOLD UP TIME (Typ.) | 20ms/115VAC at full load | | | |
| INPUT | VOLTAGE RANGE | 90 ~ 132VAC 127 ~ 186VDC | | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | | |
| | EFFICIENCY(Typ.) | 80% | 83% | 84% | |
| | AC CURRENT | 0.5A/115VAC | | | |
| | INRUSH CURRENT(Typ.) | COLD START 40A(twidth=200μs measured at 50% Ipeak) at 115VAC | | | |
| | MAX. No. of PSUs on 16A CIRCUIT BREAKER | 16 units (circuit breaker of type B) / 27 units (circuit breaker of type C) at 115VAC | | | |
| | LEAKAGE CURRENT | 0.25mA / 115VAC | | | |
| PROTECTION | OVERLOAD | Above 105% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed | | | |
| | OVER VOLTAGE | 13.8~ 16.2V | 27.6~ 32.4V | 41.4 ~ 48.6V | |
| | | Protection type : Shut off o/p voltage, clamping by zener diode | | | |
| | OVER TEMPERATURE | Shut down, recovers automatically after temperature goes down | | | |
| ENVIRONMENT | WORKING TEMP. | -30~ +70°C (Refer to "Derating Curve") | | | |
| | WORKING HUMIDITY | 20 ~ 90% RH non-condensing | | | |
| | STORAGE TEMP., HUMIDITY | -40 ~ +80°C, 10 ~ 95% RH | | | |
| | TEMP. COEFFICIENT | ±0.03%/°C (0 ~ 50°C) | | | |
| | VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes | | | |
| SAFETY & EMC | SAFETY STANDARDS | IP67 approved; design refer to UL1310 Class 2,TUV EN60950-1, EN61347-2-13, CAN/CSA C22.2 No. 223-M91 | | | |
| | WITHSTAND VOLTAGE | I/P-O/P:3KVAC | | | |
| | ISOLATION RESISTANCE | I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH | | | |
| | EMC EMISSION | Compliance to EN55022 (CISPR22) Class B, FCC Part 15, EN61000-3-2 Class A, EN61000-3-3 | | | |
| | EMC IMMUNITY | Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A | | | |
| OTHERS | MTBF | 1207.4Khrs min. MIL-HDBK-217F(25°C) | | | |
| | DIMENSION | 140*30*22(L*W*H) | | | |
| | PACKING | 0.175Kg; 70pcs/13.3Kgs/0.71CUFT | | | |
| NOTE | 1. All parameters NOT specially mentioned are measured at 115VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-quality EMC Directive on the complete installation again. 5. Suitable for indoor use or outdoor use without direct sunlight exposure. | | | | |

Mechanical Specification

Unit:mm



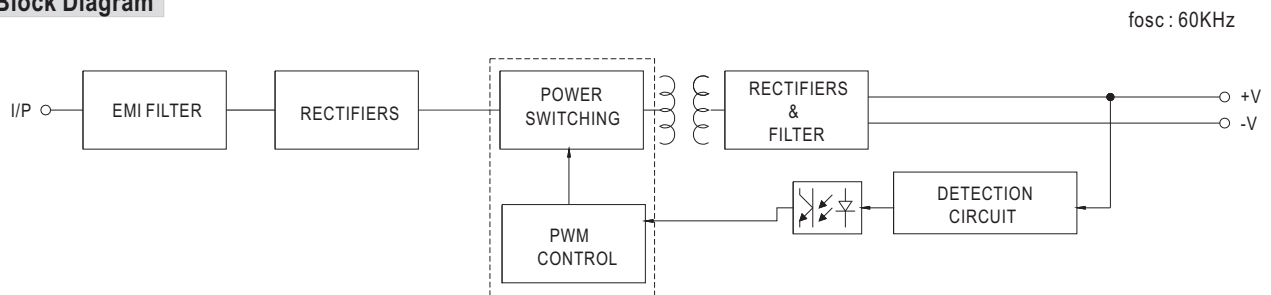
※ T case: Max. Case Temperature



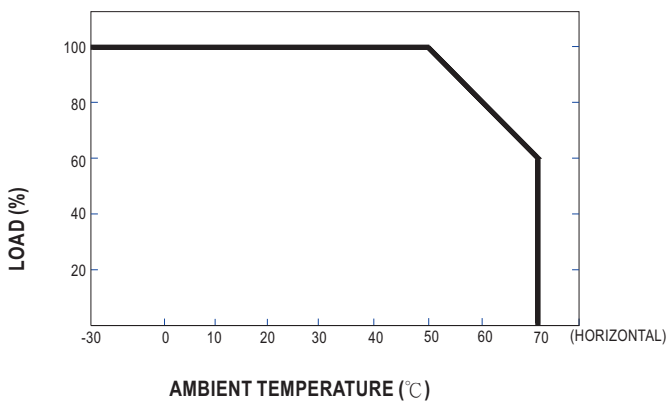
Recommend Mounting Direction



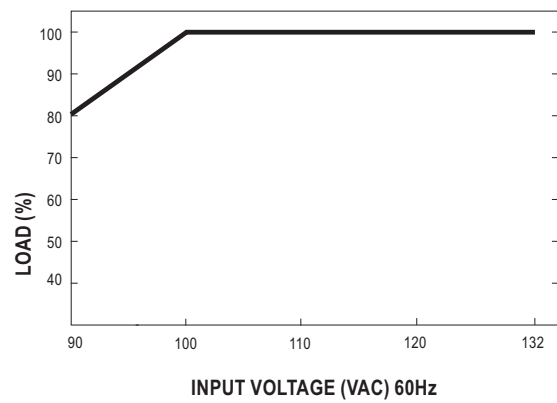
Block Diagram



Derating Curve



Static Characteristics





Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

| Product | Code | Reference | Product link |
|--|---------|-----------|----------------------------|
| Input: 90-132 AC / 127-186 DC, Output: 1, V1: 12, A1: 1,5 | LPL1812 | LPL-18-12 | Buy on EAN |
| Input: 90-132 AC / 127-186 DC, Output: 1, V1: 24, A1: 0,75 | LPL1824 | LPL-18-24 | Buy on EAN |
| Input: 90-132 AC / 127-186 DC, Output: 1, V1: 36, A1: 0,5 | LPL1836 | LPL-18-36 | Buy on EAN |