

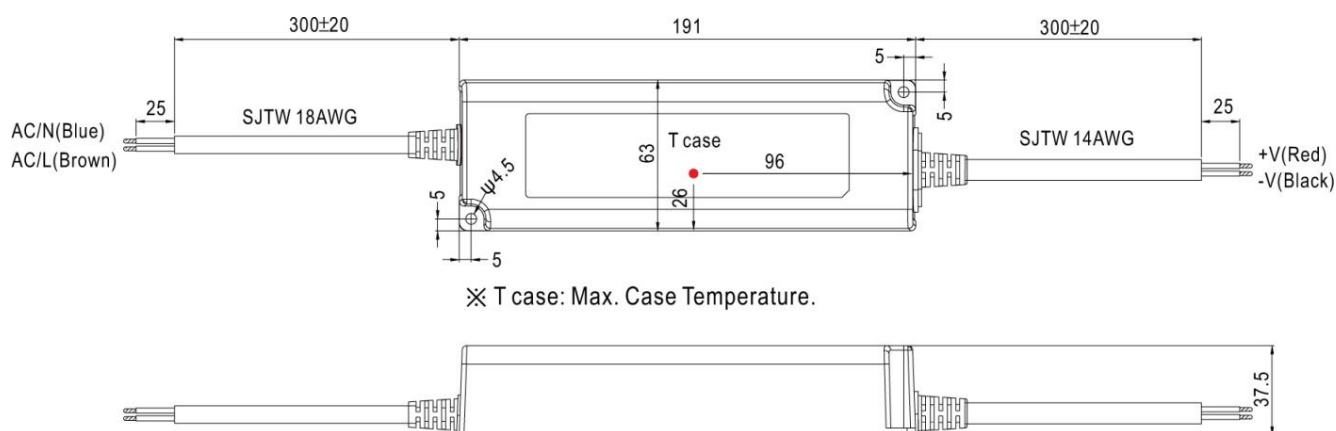


Fuente de alimentación de tensión constante. Funciona desde 180 ~ 305VAC. Consigue una alta eficiencia sin ventilador, hasta un 89%, gracias a un diseño optimizado y es capaz de funcionar desde -25 °C ~ + 65 °C. La protección es IP67 permiten que esta serie se adapte tanto a aplicaciones interiores como exteriores. Otras tensiones están disponibles.

*Constant voltage power supply. Operates from 180~305VAC. It achieves high efficiency without fan, up to 89% thanks to an optimized design and is capable of operating from -25 °C ~ + 70 °C.*

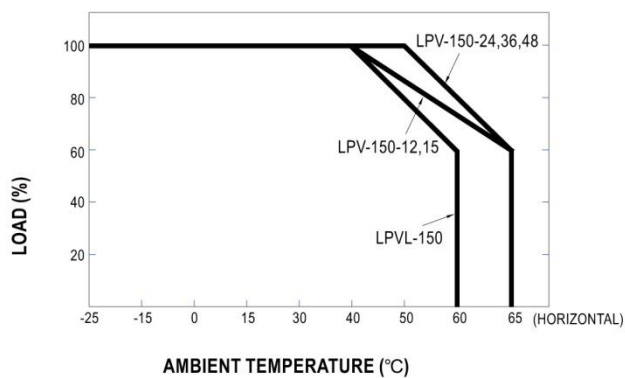
*The IP67 protection allows this series to suit both indoor and outdoor applications. Other voltages are available.*

## ■ Medidas / Dimensions



| MODEL               |  | LPV□ -150-12  | LPV-150-15  | LPV□ -150-24 | LPV-150-36 | LPV-150-48 |  |
|---------------------|--|---|---|--------------|------------|------------|--|
| OUTPUT              | DC VOLTAGE   | 12V   | 15V   | 24V          | 36V        | 48V        |  |
|                     | RATED CURRENT  | 10A   | 8A  | 6.3A         | 4.2A       | 3.2A       |  |
|                     | CURRENT RANGE  | 0 ~ 10A   | 0 ~ 8A  | 0 ~ 6.3A     | 0 ~ 4.2A   | 0 ~ 3.2A   |  |
|                     | RATED POWER  | 120W  | 120W  | 151.2W       | 151.2W     | 153.6W     |  |
|                     | RIPPLE & NOISE (max.) Note.2   | 200mVp-p  | 200mVp-p  | 200mVp-p     | 200mVp-p   | 200mVp-p   |  |
|                     | VOLTAGE TOLERANCE Note.3   | ±5.0%   |   |              |            |            |  |
|                     | LINE REGULATION  | ±1.0%   |   |              |            |            |  |
|                     | LOAD REGULATION  | ±2.0%   |   |              |            |            |  |
|                     | SETUP, RISE TIME Note.6  | LPV-150: 500ms, 50ms / 230VAC 500ms, 50ms / 277VAC; LPVL-150: 1500ms, 50ms / 115VAC                                     |   |              |            |            |  |
| HOLD UP TIME (Typ.) | LPV-150: 18ms/230VAC 20ms/277VAC at full load; LPVL-150: 10ms/115VAC at full load  |   |   |              |            |            |  |
| INPUT               | VOLTAGE RANGE Note.4   | LPV-150: 180 ~ 305VAC 254 ~ 431VDC; LPVL-150: 90~132VAC 254 ~ 370VDC  |   |              |            |            |  |
|                     | FREQUENCY RANGE  | 47 ~ 63Hz   |   |              |            |            |  |
|                     | EFFICIENCY (Typ.)  | 87%   | 88%   | 89%          | 89%        | 90%        |  |
|                     | AC CURRENT   | LPV-150: 1.7A/230VAC 1.5A/277VAC; LPVL-150: 3.0A/115VAC   |   |              |            |            |  |
|                     | INRUSH CURRENT (Typ.)  | Blank type  | COLD START 60A(twidth=900µs measured at 50% Ipeak) at 230VAC  |              |            |            |  |
|                     |  | L type  | COLD START 75A(twidth=900µs measured at 50% Ipeak) at 115VAC  |              |            |            |  |
|                     | MAX. No. of PSUs on 16A CIRCUIT BREAKER  | Blank type  | 2 units (circuit breaker of type B) / 3 units (circuit breaker of type C) at 230VAC                   |              |            |            |  |
|                     |  | L type  | 1 units (circuit breaker of type B) / 2 units (circuit breaker of type C) at 115VAC                   |              |            |            |  |
|                     | LEAKAGE CURRENT  | LPV-150: 0.25mA / 240VAC LPVL-150:0.25mA / 120VAC   |   |              |            |            |  |
| PROTECTION          | OVERLOAD   | 110 ~ 150% rated output power<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed |   |              |            |            |  |
|                     | OVER VOLTAGE   | 13.5 ~ 18V  | 17 ~ 25V  | 27 ~ 35V     | 40 ~ 49V   | 52 ~ 63V   |  |
|                     | OVER TEMPERATURE   | Shut down o/p voltage, recovers automatically after temperature goes down   |   |              |            |            |  |
| ENVIRONMENT         | WORKING TEMP.  | -25 ~ +65°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 ~ 40°C for LPV-150-12, 15 and LPVL-150-12, 24; 0~50°C for LPV-150-24, 36, 48)                              |   |              |            |            |  |
|                     | VIBRATION  | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes   |   |              |            |            |  |
| SAFETY & EMC        | SAFETY STANDARDS   | Blank type  | UL8750, CSA C22.2 No 250.13-12, UL879, CSA C22.2 No.207-M89, IP67 approved. Design refer to EN60950-1 |              |            |            |  |
|                     |  | L type  | UL8750(type"HL"), CSA C22.2 No 250.13-12, UL879, CSA C22.2 No.207-M89, IP67 approved                  |              |            |            |  |
|                     | WITHSTAND VOLTAGE  | I/P-O/P:3KVAC   |   |              |            |            |  |
|                     | ISOLATION RESISTANCE   | I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH  |   |              |            |            |  |
|                     | EMC EMISSION   | Blank type  | Compliance to EN55022 (CISPR22) Class B, EN61000-3-2 Class A(≤80% load), EN61000-3-3                  |              |            |            |  |
|                     |  | L type  | Compliance to FCC part 15   |              |            |            |  |
| EMC IMMUNITY        | Blank type   | Compliance to EN61000-4-2,3,4,5,6,8,11; EN55024, light industry level, criteria A                                       |   |              |            |            |  |
|                     | L type   | Design refer to IEC61000-4-2,3,4,5,6,8,11; light industry level, criteria A   |   |              |            |            |  |
| OTHERS              | MTBF   | 703Khrs min. MIL-HDBK-217F (25°C)   |   |              |            |            |  |
|                     | DIMENSION  | 191*63*37.5mm (L*W*H)   |   |              |            |            |  |
|                     | PACKING  | LPV-150: 0.74Kg;20pcs/15.8Kg/0.95CUFT; LPVL-150: 0.85Kg;20pcs/17Kg/0.95CUFT   |   |              |            |            |  |
| NOTE                | 1. All parameters NOT specially mentioned are measured at 230VAC(115VAC for LPVL) input, rated load and 25°C of ambient temperature.<br>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µf & 47µf parallel capacitor.<br>3. Tolerance : includes set up tolerance, line regulation and load regulation.<br>4. Derating may be needed under low input voltage. Please check the static characteristics for more details.<br>5. 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-qualify EMC Directive on the complete installation again.<br>6. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.<br>7. The unit might not be suitable for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit.<br>8. Suitable for indoor use or outdoor use without direct sunlight exposure. |   |   |              |            |            |  |

■ Derating Curve



■ Static Characteristics

