

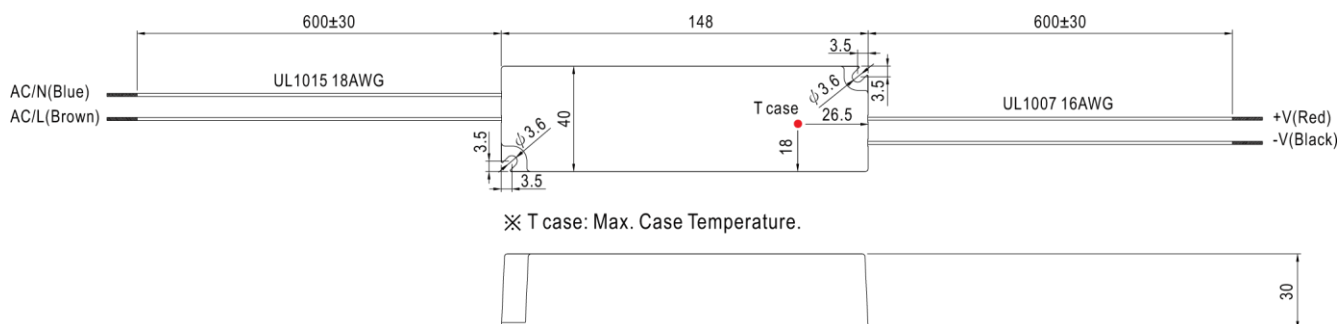


Fuente de alimentación de tensión constante. Funciona desde 90 ~ 264VAC. Consigue una alta eficiencia sin ventilador, hasta un 84%, gracias a un diseño optimizado y es capaz de funcionar desde -30 °C ~ + 65 °C. La protección es IP67 permiten que esta serie se adapte tanto a aplicaciones interiores como exteriores. Otras tensiones están disponibles.

*Constant voltage power supply. Operates from 90 ~ 264VAC. It achieves high efficiency without fan, up to 84% thanks to an optimized design and is capable of operating from -30 °C ~ + 65 °C.*

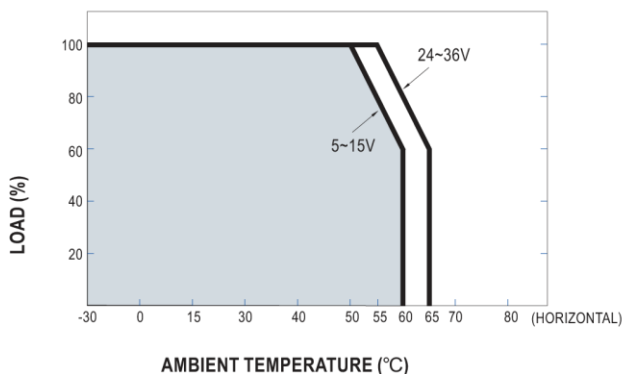
*The IP67 protection allows this series to suit both indoor and outdoor applications. Other voltages are available.*

## ■ Medidas / Dimensions



| MODEL        | LPV-35-5  | LPV-35-12  | LPV-35-15            | LPV-35-24      | LPV-35-36    |              |
|--------------|---|--|----------------------|----------------|--------------|--------------|
| OUTPUT       | DC VOLTAGE  | 5V   | 12V                  | 15V            | 24V          | 36V          |
|              | RATED CURRENT   | 5A   | 3A                   | 2.4A           | 1.5A         | 1A           |
|              | CURRENT RANGE   | 0 ~ 6A (Note.7)  | 0 ~ 3A               | 0 ~ 2.4A       | 0 ~ 1.5A     | 0 ~ 1A       |
|              | RATED POWER   | 30W  | 36W                  | 36W            | 36W          | 36W          |
|              | RIPPLE & NOISE (max.) Note.2  | 80mVp-p  | 120mVp-p             | 120mVp-p       | 150mVp-p     | 150mVp-p     |
|              | VOLTAGE TOLERANCE Note.3  | ±6.0%  | ±5.0%                |                |              |              |
|              | LINE REGULATION   | ±1.0%  |                      |                |              |              |
|              | LOAD REGULATION   | ±4.0%  | ±2.0%                |                |              |              |
|              | SETUP, RISE TIME Note.6   | 500ms, 20ms / 230VAC   | 500ms, 20ms / 115VAC | at full load   |              |              |
|              | HOLD UP TIME (Typ.)   | 50ms/230VAC  | 16ms/115VAC          | at full load   |              |              |
| INPUT        | VOLTAGE RANGE Note.4  | 90 ~ 264VAC  | 127 ~ 370VDC         |                |              |              |
|              | FREQUENCY RANGE   | 47 ~ 63Hz  |                      |                |              |              |
|              | EFFICIENCY (Typ.)   | 77%  | 84%                  | 84%            | 85%          | 85%          |
|              | AC CURRENT (Typ.)   | 1.1A/115VAC  | 0.7A/230VAC          |                |              |              |
|              | INRUSH CURRENT(Typ.)  | COLD START 55A(twidth=510µs measured at 50% Ipeak) at 230VAC                           |                      |                |              |              |
|              | MAX. No. of PSUs on 16A CIRCUIT BREAKER   | 4 units (circuit breaker of type B) / 7 units (circuit breaker of type C) at 230VAC    |                      |                |              |              |
|              | LEAKAGE CURRENT   | 0.25mA / 240VAC  |                      |                |              |              |
| PROTECTION   | OVERLOAD  | 110 ~ 150% rated output power  |                      |                |              |              |
|              |   | Protection type : Hiccup mode, recovers automatically after fault condition is removed |                      |                |              |              |
|              | OVER VOLTAGE  | 5.75 ~ 6.75V   | 13.8 ~ 16.2V         | 17.25 ~ 20.25V | 27.6 ~ 32.4V | 41.4 ~ 48.6V |
|              | Protection type : Shut down o/p voltage, re-power on to recover   |  |                      |                |              |              |
| ENVIRONMENT  | WORKING TEMP.   | -30 ~ +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 ~ 50°C)   |                      |                |              |              |
|              | VIBRATION   | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes                |                      |                |              |              |
| SAFETY & EMC | SAFETY STANDARDS  | UL1310 class 2, CAN/CSA No. 223-M91, IP67 approved ; design refer to TUV EN60950-1     |                      |                |              |              |
|              | 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, 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  | 743.5Khrs min. MIL-HDBK-217F (25°C)  |                      |                |              |              |
|              | DIMENSION   | 148*40*30mm (L*W*H)  |                      |                |              |              |
|              | PACKING   | 0.34Kg; 40pcs/14.6Kg/0.63CUFT  |                      |                |              |              |
| NOTE         | <ol style="list-style-type: none"> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>Derating may be needed under low input voltage. Please check the static characteristics for more details.</li> <li>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.</li> <li>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.</li> <li>LPV-35-5 can provide 6A of output current continuously. Based on the requirement of UL1310 class 2, the output current is only certified up to 5A for the test report of LPV-35-5.</li> <li>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.</li> <li>Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute.</li> </ol> |  |                      |                |              |              |

### Derating Curve



### Static Characteristics

