



■ Features :

- Constant voltage design
- Universal AC input / Full range
- Fully encapsulated with IP67 level (Note.7)
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage
- Fully isolated plastic case
- Cooling by free air convection
- 100% full load burn-in test
- Low cost, high reliability
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)(Note.11)
- 2 years warranty



■ GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

IS 15885(Part 2/Sec13)



R-41027766
(for 12V,24V only)



SPECIFICATION

| MODEL | LPV-100-5 | LPV-100-12 | LPV-100-15 | LPV-100-24 | LPV-100-36 | LPV-100-48 | |
|--------------|---|--|------------------------------|-----------------------|----------------|--------------|----------------------|
| OUTPUT | DC VOLTAGE | 5V | 12V | 15V | 24V | 36V | 48V |
| | RATED CURRENT | 12A | 8.5A | 6.7A | 4.2A | 2.8A | 2.1A |
| | CURRENT RANGE | 0 ~ 12A | 0 ~ 8.5A | 0 ~ 6.7A | 0 ~ 4.2A | 0 ~ 2.8A | 0 ~ 2.1A |
| | RATED POWER | 60W | 102W | 100.5W | 100.8W | 100.8W | 100.8W |
| | RIPPLE & NOISE (max.) Note.2 | 80mVp-p | 120mVp-p | 120mVp-p | 150mVp-p | 150mVp-p | 150mVp-p |
| | VOLTAGE TOLERANCE Note.3 | ±8.0% | ±5.0% | | | | |
| | LINE REGULATION | ±1.0% | | | | | |
| | LOAD REGULATION | ±6.0% | ±2.0% | | | | |
| INPUT | SETUP, RISE TIME Note.6 | 2000ms, 25ms / 230VAC | | 2000ms, 25ms / 115VAC | | | |
| | HOLD UP TIME (Typ.) | 50ms/230VAC | 14ms/115VAC at full load | | | | |
| | VOLTAGE RANGE Note.4 | 90 ~ 264VAC | 127 ~ 370VDC | | | | |
| | FREQUENCY RANGE | 47 ~ 63Hz | | | | | |
| | EFFICIENCY (Typ.) | 80% | 85% | 87% | 88% | 88% | 89% |
| | AC CURRENT | 2.2A/115VAC | 1.2A/230VAC | | | | |
| PROTECTION | INRUSH CURRENT(Typ.) | COLD START 75A(twidth=700µs measured at 50% Ipeak) at 230VAC | | | | | |
| | MAX. No. of PSUs on 16A CIRCUIT BREAKER | 2 units (circuit breaker of type B) / 3 units (circuit breaker of type C) at 230VAC | | | | | |
| | LEAKAGE CURRENT | 0.25mA / 240VAC | | | | | |
| | 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 | 55.2 ~ 64.8V |
| ENVIRONMENT | | Protection type : Shut down o/p voltage, re-power on to recover | | | | | |
| | WORKING TEMP. | -25 ~ +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) | | | | | |
| SAFETY & EMC | VIBRATION | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes | | | | | |
| | SAFETY STANDARDS | UL8750, CSA C22.2 No 250.13-12, UL879, CSA C22.2 No.207-M89, BIS IS15885(for LPV-100-12, LPV-100-24 only), EAC TP TC 004, IP67, IEC62368-1, BS EN/EN62368-1 approved | | | | | |
| | WITHSTAND VOLTAGE | I/P-O/P:3KVAC | | | | | |
| | ISOLATION RESISTANCE | I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH | | | | | |
| | EMC EMISSION | Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2 Class A (<=80% load), BS EN/EN61000-3-3, EAC TP TC 020 | | | | | |
| OTHERS | EMC IMMUNITY | Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11; BS EN/EN55035, light industry level, EAC TP TC 020 | | | | | |
| | MTBF | 4497.1K hrs min. | Telcordia SR-332 (Bellcore); | | 681.6Khrs min. | | MIL-HDBK-217F (25°C) |
| | DIMENSION | 190*52*37mm (L*W*H) | | | | | |
| | PACKING | 0.63Kg;20pcs/13.6Kg/0.55CUFT | | | | | |
| NOTE | <p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µf & 47µf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. Derating may be needed under low input voltage. Please check the static characteristics for more details.</p> <p>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.</p> <p>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.</p> <p>7. Suitable for indoor use or outdoor use without direct sunlight exposure.</p> <p>8. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).</p> <p>9. Products sourced from the Americas regions may not have the TUV/BIS/CCC logo. Please contact your MEAN WELL sales for more information.</p> <p>10. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN.pdf</p> <p>11. This product is not intended for LED lighting luminaire applications in the EU.(In the EU the LPF/NPF/XLG series are recommended.)</p> <p>※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx</p> | | | | | | |