



#### ■ Features :

- Constant voltage design
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Over load / Over voltage
- Cooling by free air convection
- Fully encapsulated with IP67 level (Note.7)
- Fully isolated plastic case
- Class II power unit, no FG
- Class 2 power unit
- Pass LPS
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)(Note.11)
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

User's Manual



#### ■ GTIN CODE

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

#### SPECIFICATION



| MODEL               |                                             | LPV-60-5                                                                                                                                                                                                                                                    | LPV-60-12    | LPV-60-15      | LPV-60-24    | LPV-60-36    | LPV-60-48    |
|---------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|--------------|--------------|--------------|
| OUTPUT              | DC VOLTAGE                                  | 5V                                                                                                                                                                                                                                                          | 12V          | 15V            | 24V          | 36V          | 48V          |
|                     | RATED CURRENT                               | 8A                                                                                                                                                                                                                                                          | 5A           | 4A             | 2.5A         | 1.67A        | 1.25A        |
|                     | CURRENT RANGE                               | 0 ~ 8A                                                                                                                                                                                                                                                      | 0 ~ 5A       | 0 ~ 4A         | 0 ~ 2.5A     | 0 ~ 1.67A    | 0 ~ 1.25A    |
|                     | RATED POWER                                 | 40W                                                                                                                                                                                                                                                         | 60W          | 60W            | 60W          | 60W          | 60W          |
|                     | RIPPLE & NOISE (max.) <small>Note.2</small> | 80mVp-p                                                                                                                                                                                                                                                     | 120mVp-p     | 120mVp-p       | 150mVp-p     | 150mVp-p     | 150mVp-p     |
|                     | VOLTAGE TOLERANCE <small>Note.3</small>     | ±8.0%                                                                                                                                                                                                                                                       | ±5.0%        |                |              |              |              |
|                     | LINE REGULATION                             | ±1.0%                                                                                                                                                                                                                                                       |              |                |              |              |              |
|                     | LOAD REGULATION                             | ±6.0%                                                                                                                                                                                                                                                       | ±2.0%        |                |              |              |              |
|                     | SETUP, RISE TIME <small>Note.6</small>      | 500ms, 20ms / 230VAC    500ms, 20ms / 115VAC at full load(for 5~36V) ; 500ms, 30ms / 230VAC    500ms, 30ms / 115VAC at full load(for 48V)                                                                                                                   |              |                |              |              |              |
| HOLD UP TIME (Typ.) | 50ms/230VAC    16ms/115VAC at full load     |                                                                                                                                                                                                                                                             |              |                |              |              |              |
| INPUT               | VOLTAGE RANGE <small>Note.4</small>         | 90 ~ 264VAC    127 ~ 370VDC                                                                                                                                                                                                                                 |              |                |              |              |              |
|                     | FREQUENCY RANGE                             | 47 ~ 63Hz                                                                                                                                                                                                                                                   |              |                |              |              |              |
|                     | EFFICIENCY (Typ.)                           | 76%                                                                                                                                                                                                                                                         | 83%          | 83%            | 86%          | 86%          | 86%          |
|                     | AC CURRENT (Typ.)                           | 1.2A/115VAC    1A/230VAC                                                                                                                                                                                                                                    |              |                |              |              |              |
|                     | INRUSH CURRENT(Typ.)                        | COLD START 60A(twidth=525μs measured at 50% Ipeak) at 230VAC                                                                                                                                                                                                |              |                |              |              |              |
|                     | MAX. No. of PSUs on 16A CIRCUIT BREAKER     | 3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC                                                                                                                                                                         |              |                |              |              |              |
| LEAKAGE CURRENT     | 0.25mA / 240VAC                             |                                                                                                                                                                                                                                                             |              |                |              |              |              |
| PROTECTION          | OVER LOAD                                   | 110 ~ 150% rated output power<br>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 |
|                     |                                             | Protection type : Shut down o/p voltage, re-power on to recover                                                                                                                                                                                             |              |                |              |              |              |
| 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                            | UL879(except for LPV-60-5), UL1310(except for LPV-60-5), CSA C22.2 No. 207-M89(except for LPV-60-5, LPV-60-48), CAN/CSA C22.2 No. 223-M91(except for LPV-60-5, LPV-60-48), BIS IS15885(Note 12), 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, BS EN/EN61000-3-3, EAC TP TC 020                                                                                                                                                  |              |                |              |              |              |
|                     | 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                                                                                                                                                            |              |                |              |              |              |
| OTHERS              | MTBF                                        | 5188.4K hrs min. Telcordia SR-332 (Bellcore) ; 732.1Khrs min. MIL-HDBK-217F (25°C)                                                                                                                                                                          |              |                |              |              |              |
|                     | DIMENSION                                   | 162.5*42.5*32mm (L*W*H)                                                                                                                                                                                                                                     |              |                |              |              |              |
|                     | PACKING                                     | 0.4Kg; 32pcs/13.8Kg/0.66CUFT                                                                                                                                                                                                                                |              |                |              |              |              |

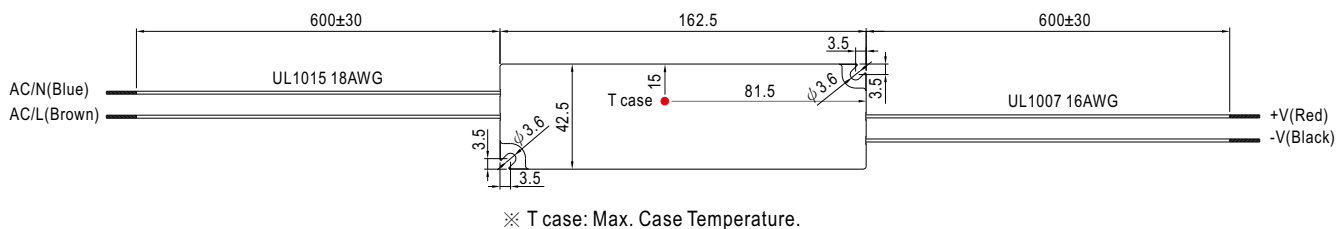
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance : includes set up tolerance, line regulation and load regulation.
4. Derating may be needed under low input voltage. Please check the static characteristics for more details.
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.  
(as available on [https://www.meanwell.com/Upload/PDF/EMI\\_statement\\_en.pdf](https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf))
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.
7. Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute.
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).
9. Products sourced from the Americas regions may not have the TUV/BIS/CCC logo. Please contact your MEAN WELL sales for more information.
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](https://www.meanwell.com/Upload/PDF/LED_EN.pdf)
11. This product is not intended for LED lighting luminaire applications in the EU and China.(In the EU and China the LPF/NPF/XLG/XLC/XLN series are recommended.)
12. Products sourced from the China regions may not have the BIS logo, please contact your MEAN WELL sales for more information.

× Product Liability Disclaimer : For detailed information, please refer to <https://www.meanwell.com/serviceDisclaimer.aspx>

File Name:LPV-60-SPEC 2024-12-12

## ■ Mechanical Specification

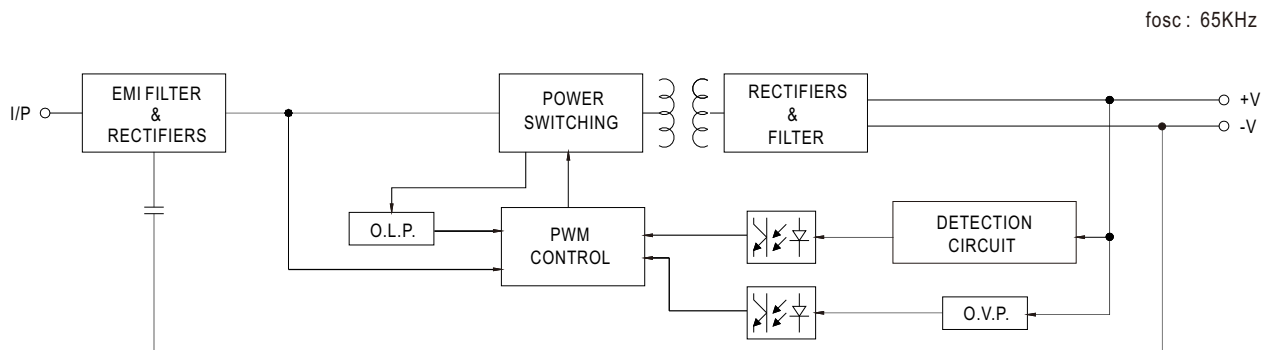
Case No. 976A      Unit:mm      Tolerance:±1



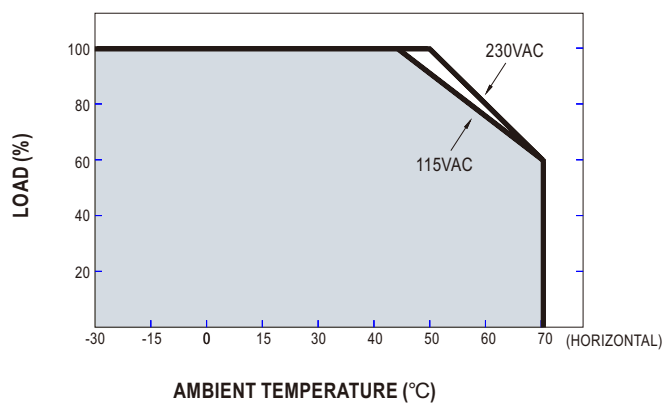
■ Recommend Mounting Direction



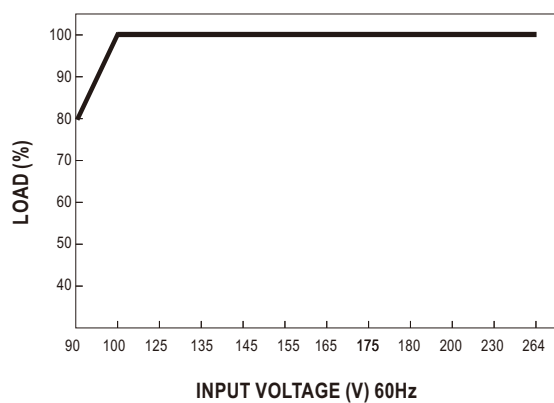
### ■ Block Diagram



### Derating Curve



### ■ Static Characteristics





#### ■ 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

User's Manual



#### ■ GTIN CODE

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

IS 15885



#### 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%                    |                |              |              |              |
| SETUP, RISE TIME Note.6 | 2000ms, 25ms / 230VAC    2000ms, 25ms / 115VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                             |                          |                |              |              |              |
| HOLD UP TIME (Typ.)     | 50ms/230VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                             | 14ms/115VAC at full load |                |              |              |              |
| INPUT                   | 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                                                                                                                  |                          |                |              |              |              |
|                         | 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                                                                                                                             |                          |                |              |              |              |
| PROTECTION              | OVERLOAD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 110 ~ 150% rated output power<br>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 |
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Protection type : Shut down o/p voltage, re-power on to recover                                                                             |                          |                |              |              |              |
| ENVIRONMENT             | WORKING TEMP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -25 ~ +70℃ (Refer to "Derating Curve")                                                                                                      |                          |                |              |              |              |
|                         | WORKING HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 20 ~ 90% RH non-condensing                                                                                                                  |                          |                |              |              |              |
|                         | STORAGE TEMP., HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -40 ~ +80℃, 10 ~ 95% RH                                                                                                                     |                          |                |              |              |              |
|                         | TEMP. COEFFICIENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ±0.03%/℃ (0 ~ 50℃)                                                                                                                          |                          |                |              |              |              |
|                         | VIBRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes                                                                     |                          |                |              |              |              |
| SAFETY & EMC            | SAFETY STANDARDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | UL8750, CSA C22.2 No 250.13-12, UL879, CSA C22.2 No.207-M89, BIS IS15885(Note12), 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℃ / 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                       |                          |                |              |              |              |
|                         | 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                                            |                          |                |              |              |              |
| OTHERS                  | MTBF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4497.1K hrs min.    Telcordia SR-332 (Bellcore) ;    681.6Khrs min.    MIL-HDBK-217F (25℃)                                                  |                          |                |              |              |              |
|                         | DIMENSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 190*52*37mm (L*W*H)                                                                                                                         |                          |                |              |              |              |
|                         | PACKING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.61Kg;20pcs/13.2Kg/0.57CUFT                                                                                                                |                          |                |              |              |              |
| NOTE                    | 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.<br>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf 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>(as available on <a href="https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf">https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf</a> )<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. Suitable for indoor use or outdoor use without direct sunlight exposure.<br>8. The ambient temperature derating of 3.5℃/1000m with fanless models and of 5℃/1000m with fan models for operating altitude higher than 2000m(6500ft).<br>9. Products sourced from the Americas regions may not have the TUV/BIS/CCC logo. Please contact your MEAN WELL sales for more information.<br>10. For any application note and IP water proof function installation caution, please refer our user manual before using.<br><a href="https://www.meanwell.com/Upload/PDF/LED_EN.pdf">https://www.meanwell.com/Upload/PDF/LED_EN.pdf</a><br>11. This product is not intended for LED lighting luminaire applications in the EU and China.(In the EU and China the LPF/NPF/XLG/XLC/XLN series are recommended.)<br>12. R-41027766 (GZ factory) only for 12V,24V / R-62002178 (ID factory) for 5V~48V<br>※ Product Liability Disclaimer : For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a> |                                                                                                                                             |                          |                |              |              |              |

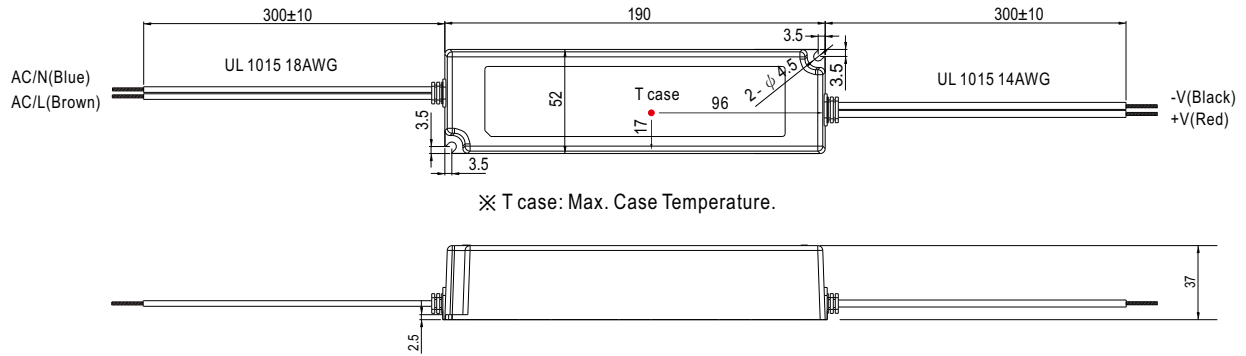
File Name:LPV-100-SPEC 2024-12-12

## Mechanical Specification

Case No. LPC-100A

Unit:mm

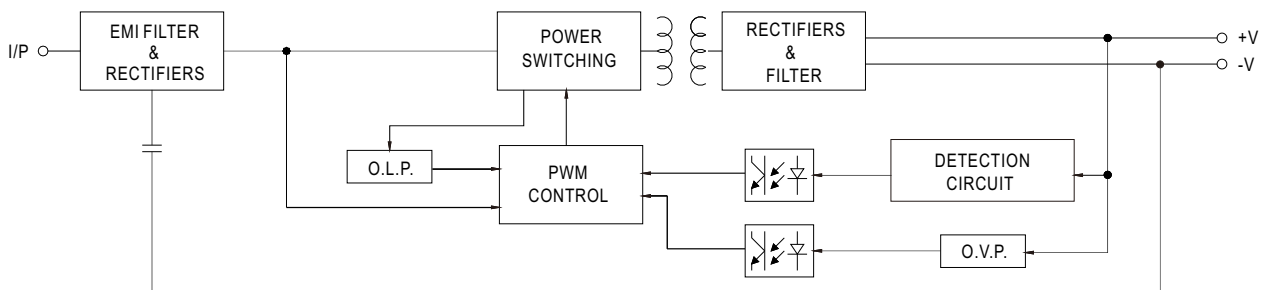
Tolerance:±1



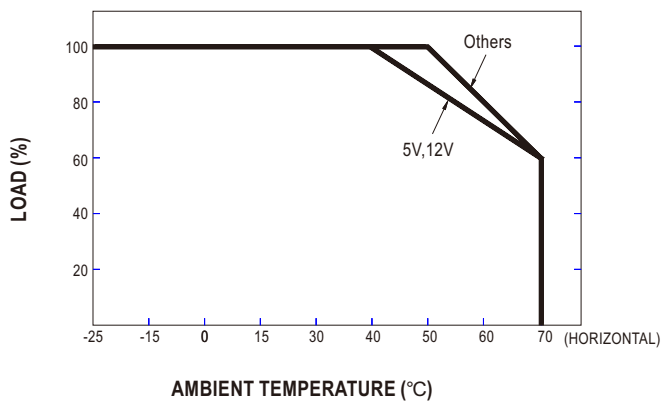
## Recommend Mounting Direction



## Block Diagram



## Derating Curve



## Static Characteristics

