### SPECIFICATION

#### OUTPUT

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DC VOLTAGE</th>
<th>RATED CURRENT</th>
<th>CURRENT RANGE</th>
<th>RIPPLE &amp; NOISE (max.)</th>
<th>VOLTAGE TOLERANCE</th>
<th>LINE REGULATION</th>
<th>LOAD REGULATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPV-35-5</td>
<td>5V</td>
<td>5A</td>
<td>0 - 6A (Note.7)</td>
<td>80mVp-p</td>
<td>±6.0%</td>
<td>±1.0%</td>
<td>±4.0%</td>
</tr>
<tr>
<td>LPV-35-12</td>
<td>12V</td>
<td>3A</td>
<td>0 - 3A</td>
<td>120mVp-p</td>
<td>±5.0%</td>
<td>±1.0%</td>
<td>±2.0%</td>
</tr>
<tr>
<td>LPV-35-15</td>
<td>15V</td>
<td>2.4A</td>
<td>0 - 2.4A</td>
<td>120mVp-p</td>
<td>±6.0%</td>
<td>±1.0%</td>
<td>±4.0%</td>
</tr>
<tr>
<td>LPV-35-24</td>
<td>24V</td>
<td>1.5A</td>
<td>0 - 1.5A</td>
<td>150mVp-p</td>
<td>±5.0%</td>
<td>±1.0%</td>
<td>±2.0%</td>
</tr>
<tr>
<td>LPV-35-36</td>
<td>36V</td>
<td>1A</td>
<td>0 - 1A</td>
<td>150mVp-p</td>
<td>±6.0%</td>
<td>±1.0%</td>
<td>±4.0%</td>
</tr>
</tbody>
</table>

#### INPUT

<table>
<thead>
<tr>
<th>VOLTAGE RANGE</th>
<th>FREQUENCY RANGE</th>
<th>EFFICIENCY (Typ.)</th>
<th>AC CURRENT (Typ.)</th>
<th>INRUSH CURRENT (Typ.)</th>
<th>MAX. No. of PSUs on 16A CIRCUIT BREAKER</th>
<th>LEAKAGE CURRENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 ~ 264VAC</td>
<td>47 ~ 63Hz</td>
<td>77%</td>
<td>1.1A/115VAC, 0.7A/230VAC</td>
<td>COLD START 55A (length=510ms measured at 50% Ipeak) at 230VAC</td>
<td>4 units (circuit breaker of type B) / 7 units (circuit breaker of type C) at 230VAC</td>
<td>0.25mA/240VAC</td>
</tr>
</tbody>
</table>

#### PROTECTION

<table>
<thead>
<tr>
<th>OVERLOAD</th>
<th>OVER VOLTAGE</th>
<th>WORKING TEMP.</th>
<th>WORKING HUMIDITY</th>
<th>STORAGE TEMP.</th>
<th>TEMP. COEFFICIENT</th>
<th>VIBRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>110 ~ 150% rated output power</td>
<td>5.75 ~ 6.75V</td>
<td>-30 ~ +65°C (Refer to &quot;Derating Curve&quot;)</td>
<td>20 ~ 90% RH non-condensing</td>
<td>-40 ~ +80°C, 10 ~ 95% RH</td>
<td>±0.03%/°C (0 ~ 50°C)</td>
<td>10 ~ 500Hz, 2G 10min./cycle, period for 60min. each along X, Y, Z axes</td>
</tr>
</tbody>
</table>

#### SAFETY & EMC

<table>
<thead>
<tr>
<th>WITHSTAND VOLTAGE</th>
<th>ISOLATION RESISTANCE</th>
<th>EMC EMISSION</th>
<th>EMC IMMUNITY</th>
<th>OTHERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP-DP:3KVAC</td>
<td>IP-DP:100MOhms / 500VDC / 25°C/70% RH</td>
<td>Compliance to EN55032 (CISPR32) Class B, EN61000-3-2 Class A, EN61000-3-3, EAC TP TC 020</td>
<td>Compliance to EN61000-4-2,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020</td>
<td>MTBF 743.5Khrs min. MIL-HDBK-217F (25°C)</td>
</tr>
</tbody>
</table>

#### PACKING

<table>
<thead>
<tr>
<th>DIMENSION</th>
<th>PACKING</th>
</tr>
</thead>
<tbody>
<tr>
<td>148<em>40</em>30mm (L<em>W</em>H)</td>
<td>0.34Kg; 40pcs/14.6Kg/0.63CUFT</td>
</tr>
</tbody>
</table>

### Features:
- Constant voltage design
- Universal AC input / Full range
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Fully encapsulated with IP67 level (Note.9)
- Fully isolated plastic case
- Class I) 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.8)
- 100% full load burn-in test
- Low cost, high reliability
- 2 years warranty

### Note:
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 1/4" 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.
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. LPV-35-5 can provide 6A of output current continuously. Based on the requirement of UL1310 class 2, the output current is only certified up to 5A for the test report of LPV-35-5.
8. The unit might not be suitable for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit.
9. Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minutes.
10. The ambient temperature derating of 3.5%/1000m for fanless models and 5%/1000m with fan models for operating altitude higher than 2000m(6560ft).
11. Products sourced from the Americas regions may not have the TUV/BIS/CQC logo. Please contact your MEAN WELL sales for more information.

File Name:LPV-35-SPEC   2019-07-26
35W Single Output Switching Power Supply

**Mechanical Specification**

- Case No.975A
- Unit:mm
- **fosc**: 65KHz

**Block Diagram**

- **EMI FILTER & RECTIFIERS**
- **POWER SWITCHING**
- **RECTIFIERS & FILTER**
- **O.L.P.**
- **PWM CONTROL**
- **DETECTION CIRCUIT**
- **O.V.P.**

**Recommend Mounting Direction**

**Derating Curve**

**Static Characteristics**

- **INPUT VOLTAGE (V) 60Hz**
- **LOAD (%)**
- **AMBIENT TEMPERATURE (℃)**