PL-MV264-12

**Features:**
- Universal AC input / Full range (up to 305VAC)
- Built-in active PFC function
- High efficiency up to 95%
- Provisions: Short circuit / Over current / Over voltage / Over temperature
- Cooling by free air convection
- OCP point adjustable through output cable or internal potentiometer
- IP67 / IP65 design for indoor or outdoor installations
- Three in one dimming function (1~10Vdc or PWM signal or resistance)
- Suitable for LED lighting and street lighting applications
- Compliance to worldwide safety regulations for lighting
- Suitable for dry / damp / wet location
- 5 years warranty (Note.10)

**SPECIFICATION**

**OUTPUT**
- DC Voltage: 12V
- Constant Current (Typ.) ν: 0.2A / 115VAC, 0.4A / 230VAC
- Rated Current: 22A
- Rated Power: 245W
- Ripple & Noise (max.) ν: 150mVp-p
- Voltage Adj. Range: 9.8V ~ 13.5V
- Current Adj. Range: 11 ~ 22A
- Voltage Tolerance: 3.0% at full load
- Line Regulation: ± 0.5%
- Load Regulation: ± 2.0%
- Setup, Rise Time: 250ms
- Hold Up Time (Typ.): 15ms at full load
- Voltage Range: 90V ~ 300VAC
- Frequency Range: 47 ~ 63Hz
- Power Factor (Typ.): PF>0.90 (115VAC, 0.90/0.95/0.92/0.97 (230VAC)
- Total Harmonic Distortion (THD): 2.0% at full load (Please refer to "Power Factor Characteristics" curve)
- Efficiency (Typ.) (115VAC): 91.5%
- Efficiency (Typ.) (230VAC): 91.5%
- AC Current (Typ.): 3.5A / 115VAC, 1.65A / 230VAC
- Inrush Current (Typ.): Cold Start 70A @ 230VAC (2.5s), measured at 50% load @ 230VAC
- Leakage Current: 60.75mA / 277VAC
- Over Current: 95 ~ 108%
- Short Circuit: Hiccup mode, recovers automatically after fault condition is removed
- Over Voltage: Shut down and latch off output voltage, re-power on to recover
- Over Temperature: Shut down and latch off output voltage, re-power on to recover
- Working Temperature: -40 ~ 70°C (Except for HLG-320H C type, -40 ~ 60°C)
- Working Humidity: 20 ~ 95% RH (Non-condensing)
- Storage Temp. Humidity: -40 ~ 80°C, 10 ~ 95% RH
- Temp. Coefficient: ± 0.03%/°C (0 ~ 50°C)
- Vibration: 10 ~ 500Hz, 5G, 12min cycle, per ISO22485, 25°/60°C

**SAFETY & EMC**
- UL8750, CSA C22.2 No. 250.0-08, EN61347-1, EN61347-2-13 independent, IP65 or IP67 (except for HLG-320H C type, EN61347-2-13)
- Withstand Voltage: IP20, IP: 3.75kVAC, IP: 2kVAC
- OCP point adjustable through output cable or internal potentiometer
- EMC Emission: Compliance to EN55015, EN55022 (CISPR22) Class B, EN50082-1-2 Class C (25% load); EN55082-1-3
- EMC Immunity: Compliance to EN61000-4-2, 3.4.5.8, 11, EN61547, EN50524, Standard Industrial Surge (Level 4), Criteria B

**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 20VAC of bandwidth by using a 0.1s type 40μF parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. Please refer to "DRIVING METHODS OF LED MODULE".
5. A 100μF capacitor is required under low input voltages. Please check the static characteristics for more details.
6. A type and B type only.
7. Safety and EMC design refer to EN60950-1, subject CNS1532, C1570006, IEC part18.
8. Length of set up time is measured at cold start. Turning ON/OFF the power supply may lead to increase the set up time.
9. 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.
10. Refer to warranty statement.
11. To fulfill requirements of the latest IEC regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connected to the mains.
### Mechanical Specification

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<tr>
<th>Case No.</th>
<th>Unit:mm</th>
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<td>202A</td>
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### Electrical Specifications

- **T case**: Max. Case Temperature.
- **IP67 rated**: Cable for I/O connection.
- **IP65 rated**: Output voltage and constant current level can be adjusted through internal potentiometer. (Can access by removing the rubber stopper on the case.)