

Waterproof Switching Power Supply 60W/12VDC



Model No.: IPLED 60W

Profile:

- 1 PWM switch design, composed by professional integrate circuit, high reliability in performance.
- 2 Abnormality protection function, built-in over current and short-circuits protection. In case of short-circuits or over load, the product will conduct automatic protection.
- 3 Efficiency in energy saving, long life span. Compared with general power supply, it can save 40% energy.
- 4 Suitable for all kinds of LED products which can ensure LED products have good lighting effect and long life span.

Features:

- 1 High efficiency, high reliability
- 2 100% full load burn-in test
- 3 Protections: Short circuit, over load, over voltage, over thermal
- 4 Thunder proof Protection
- 5 Completely air proof, achieve waterproof rate IP 68
- 6 Safety: CE, ROHS, IP66
- 7 1 year warranty
- 8 Size: 180x70x50mm

Specification:

Input Rated Voltage: 170 – 250VAC
Input Rated Frequency: 50/60Hz
Input Frequency Range: 47Hz to 63Hz
Efficiency: 80% Min
Rated Output Voltage & Current: 12VDC/ 5A
Output Line Regulation: $\pm 3\%$
Output Load Regulation: $\pm 5\%$
Output over Shoot: 10% Max
Protection: OCP OVP SCP OPP (recover automatically)
Dielectric Withstand Voltage: AC2KV / 3mA 3s

Environment:

Operating Temperature: -30°C to 60°C
Storage Temperature: -40°C to 85°C



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Feature testing:

| Testing QTY | | 1 | 2 | 3 | 4 | 5 |
|------------------------------------|-----------------|-------------|-------|-------|-------|-------|
| Testing voltage | | | | | | |
| Input | | AC220V 50Hz | | | | |
| High Voltage Test | Input - Output: | OK | OK | OK | OK | OK |
| | Input- Housing: | OK | OK | OK | OK | OK |
| Input power>Loading current 5A) | | 74.3W | 74.5W | 74.3W | 74.1W | 74.4W |
| Output voltage>Loading current 5A) | | 12.0V | 12.0V | 12.1V | 12.0V | 12.0V |
| Output voltage>Loading current 0A) | | 12.1V | 12.1V | 12.2V | 12.0V | 12.2V |
| High low pressure start | | OK | OK | OK | OK | OK |
| Short-circuit: | | OK | OK | OK | OK | OK |
| Over loading: | | OK | OK | OK | OK | OK |
| Verdict: | | Pass | | | | |