

Waterproof Switching Power Supply 100W/12VDC



Model No.: IPLED 100W

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 2 year warranty
- 8 Size: 240x70.2x45mm

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/12.5A
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: AC1.5KV / 5mA 3s

Environment:

Operating Temperature: -20°C to 40°C
Storage Temperature: -40°C to 70°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 12.5A)		181.8 W	181.7W	179.4W	183.0W	181.3W
Output voltage (Loading current 12.5A)		11.6V	11.8V	11.8V	11.7V	11.8V
Output voltage (Loading current 0A)		8.4V	12.5V	12.5V	12.5V	12.5V
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				