



PSU iRZ
12V/1000mA

Product Specification

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1. PRODUCT OVERVIEW

Form factor :See figure.1

Output Power : 12 Watts Typ. Continuous

Efficiency : 60% @ typ Input voltage with full load

No load power consumption (Stand-by power) : <0.5W at 230Vac/50Hz

2. ELECTRICAL CHARACTERISTICS

Parameters	Min	Typ	Max	Unit
INPUT VOLTAGE	90	115/230	265	VAC
INPUT FREQUENCY	47	50/60	63	Hz
INPUT CURRENT	-----	-----	500	mA
OUTPUT VOLTAGE	11.40	12.00	12.60	VDC
OUTPUT CURRENT	0	-----	1000	mA
OUTPUT RIPPLE *	-----	-----	120	mVp-p
AMBIENT TEMPERATURE	-----	-----	40	°C

*Output ripple is measured peak to peak with a 10 μ F E-cap and 0.1 μ F ceramic cap in parallel on the output.

3. PROTECTION

3.1 Over Voltage Protection

The power supply shall provide OVP such that under any single component failure, the output channel shall not exceed 25Vdc with a maximum duration of 250 ms.

3.2 Short Circuit Protection

The power supply shall be protected such that a short from output to return shall not result in a fire hazard, shock hazard, or damage to the power supply.

4. MECHANICAL CHARACTERISTIC

4.1 Enclosure Dimensions

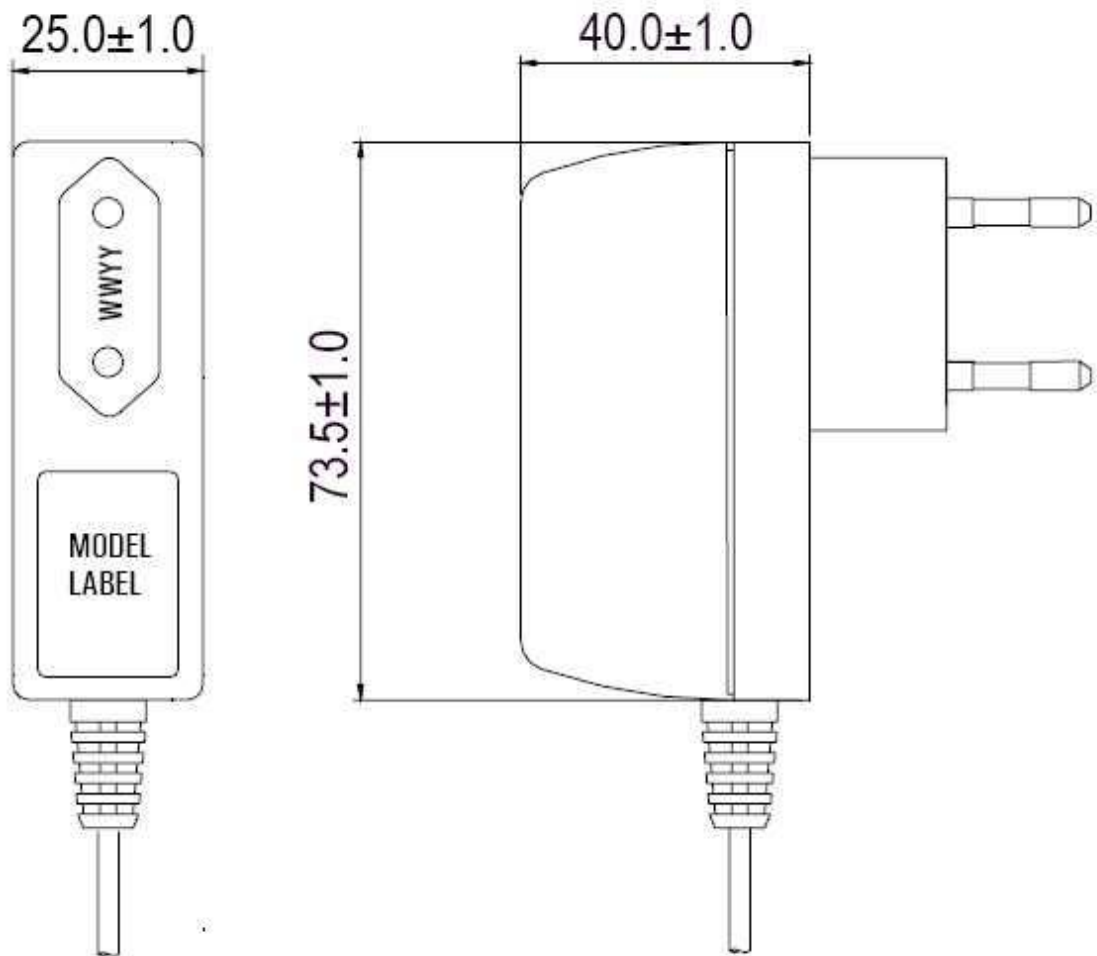
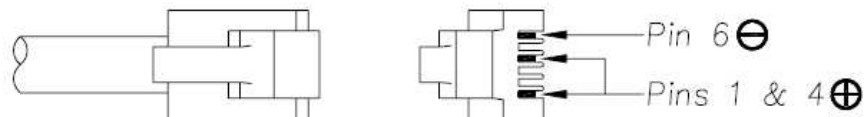


Fig.1

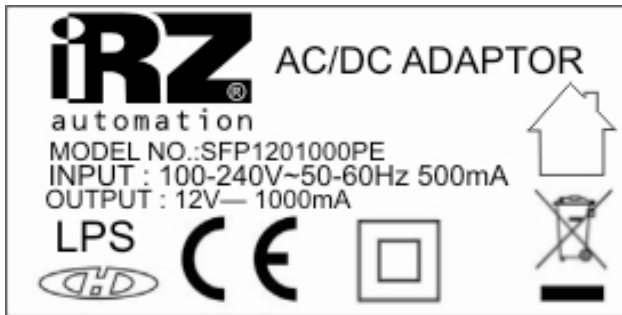
4.2 DC output cable and plug:

AWG#26×3C, 1800mm $\pm 10\%$, Black color.



Plug : RJ-11 (P63C)

4.4 Model Label



Marking method by sticker (black base/white words)

5. SAFETY SPECIFICATION

The power supply is designed to meet the following standards:

EN60950 & IEC60950 & UL60950	√
EN60065 & IEC60065 & UL6500	
EN61558-2-6 & IEC558 & UL1310	

6. EMI

Power supply is designed with internal filter to meet following standards:

EN55022, EN55024

EN61000-3-2/3

7. HI POT

Input to output 3000Vac, 1s

Cutoff current 10mA

8. EARTH LEAKAGE

Earth leakage current 250 μ A at 250Vrms

9. RELIABILITY

Minimum 50,000 hours MTBF at max load & 25°C ambient temperature.

10. PACKING

Standard packing with cart tray.