

SPECIFICATION

CLIENT	: Solwise
ITEM	: 15W AC ADAPTER
CLIENT'S MODEL NO.	: PSU-UNIVERSAL12V
RoHs	Non RoHs

Edition	Date	Revised Section	Prepared by	Approved by
0	16 Jan 07	Initial release	CW Leung	Agnes Cheung

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1. PRODUCT OVERVIEW

Form factor

See figure.1

Output Power

15Watts 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

Parameter	Min	Typ	Max	Unit
INPUT VOLTAGE	90	115/230	265	VAC
INPUT FREQUENCY	47	50/60	63	Hz
INPUT CURRENT	---	---	500	mA
OUTPUT VOLTAGE	11.4	12.0	12.6	V
OUTPUT CURRENT	0	---	1250	mA
OUTPUT RIPPLE	---	---	120	mV
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

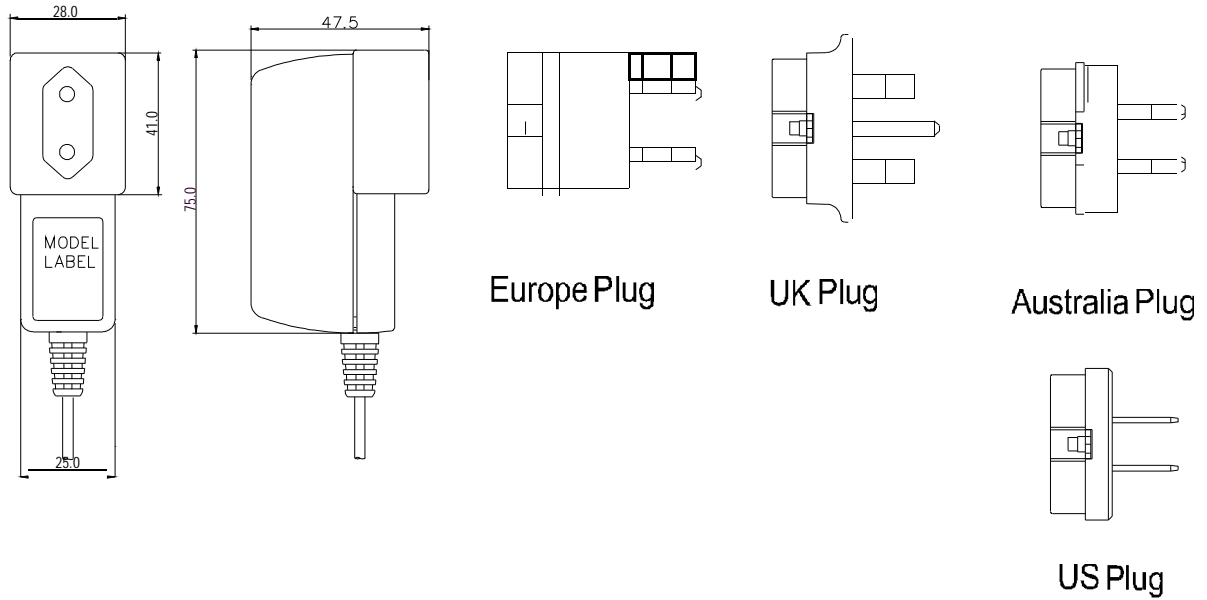
The power supply shall provide OVP such that under any single component failure, the output channel shall not exceed 25Vdc with a maximum duration of 250 mS.

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



Colour: Black

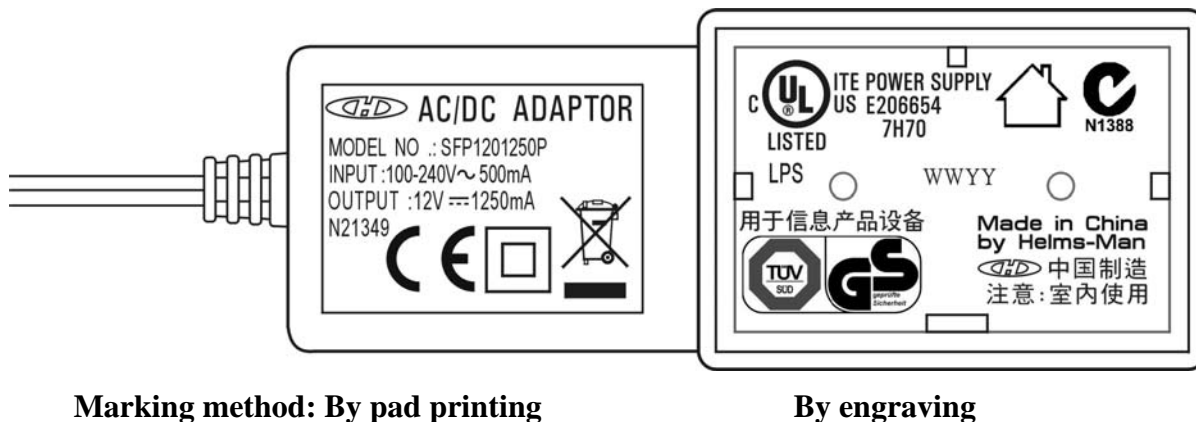
Fig.1

4.2. DC output cable and plug:

AWG#22×2C, VW-1, UL2468, 80°C, 2500mm ±10%, Black

Plug Pt Nr: SS-552110

4.3. Model Label



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 class B

EN61000-3-2/3 & EN61000-4-2/3/4/5/6/8/11

7. HI POT

Input to Output 3000Vac, 1s

8. EARTH LEAKAGE

Earth leakage current 250uA at 250Vrms

9. RELIABILITY

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

10. PACKING

Standard packing with cart tray.