

SPECIFICATION

CLIENT	: Solwise
ITEM	: 12W AC ADAPTER
OUR MODEL NO.	: PSU-UNIVERSAL48
CLIENT'S MODEL NO.	:
RoHs	Non RoHs

Edition	Date	Revised Section	Prepared by	Approved by
0	07 Apr 06	Initial release	CW Leung	Agnes Cheung

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1. PRODUCT OVERVIEW

Form factor

See figure.1

Output Power

12Watts 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	V AC
INPUT FREQUENCY	47	50/60	63	Hz
INPUT CURRENT			500	mA
OUTPUT VOLTAGE	45.6	48	50.4	V
OUTPUT CURRENT	0		250	mA
OUTPUT RIPPLE			480	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

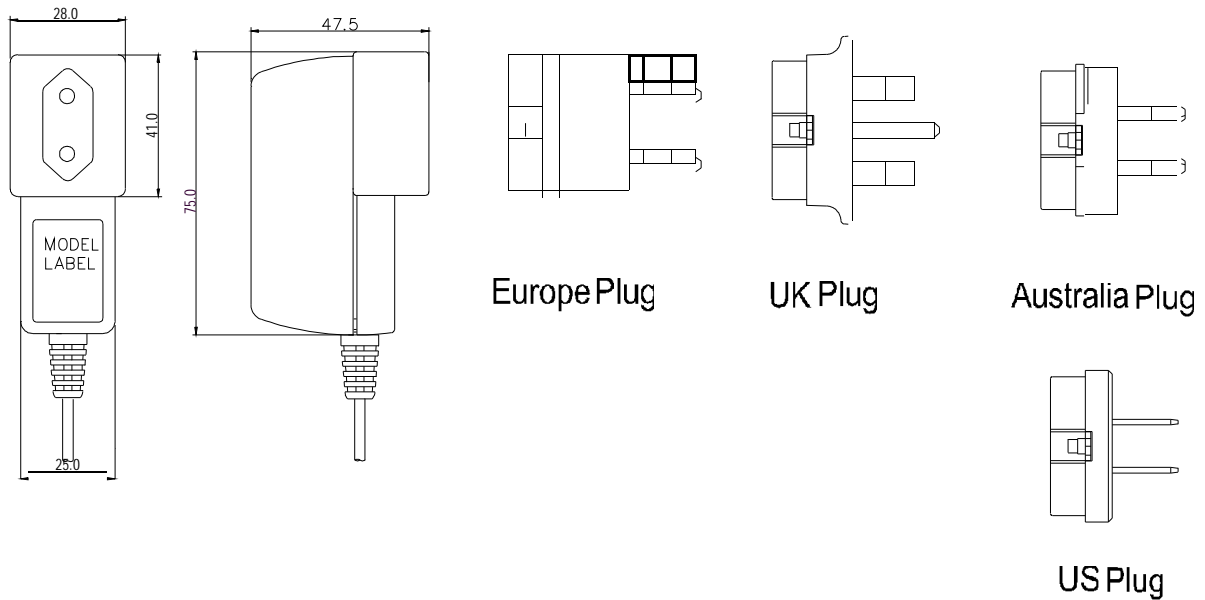
The power supply shall provide OVP such that under any single component failure, the output channel shall not exceed 60Vdc with a maximum duration of 250 mS.

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

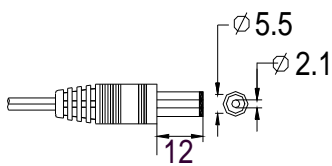


Colour: Black

Fig.1

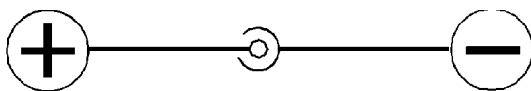
4.2. DC output cable and plug:

AWG#22, 1800m m $\pm 10\%$,B lack

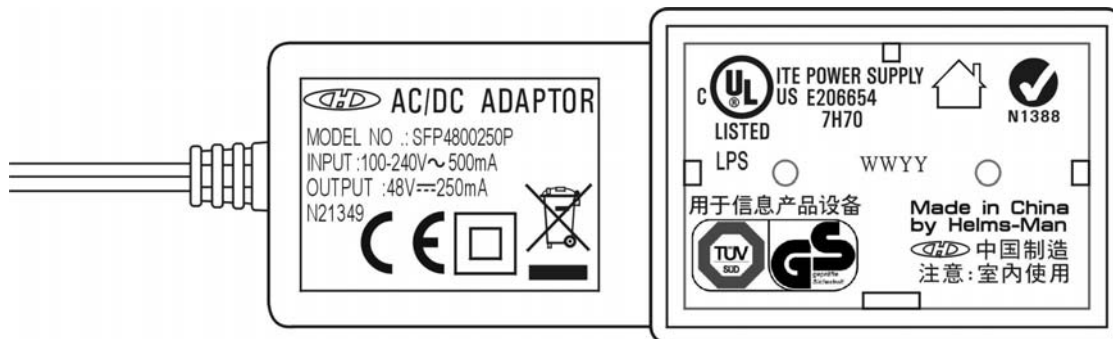


Plug Pt Nr: PS-552112

4.3. Interconnection



4.4. Model Label



Marking method: By pad printing

By engraving

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.