

# SPECIFICATION

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

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

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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 $\mu$ F E-cap and 0.1 $\mu$ F ceramic cap in parallel on the output.

## 3. PROTECTION

### 3.1 Over Voltage Protection

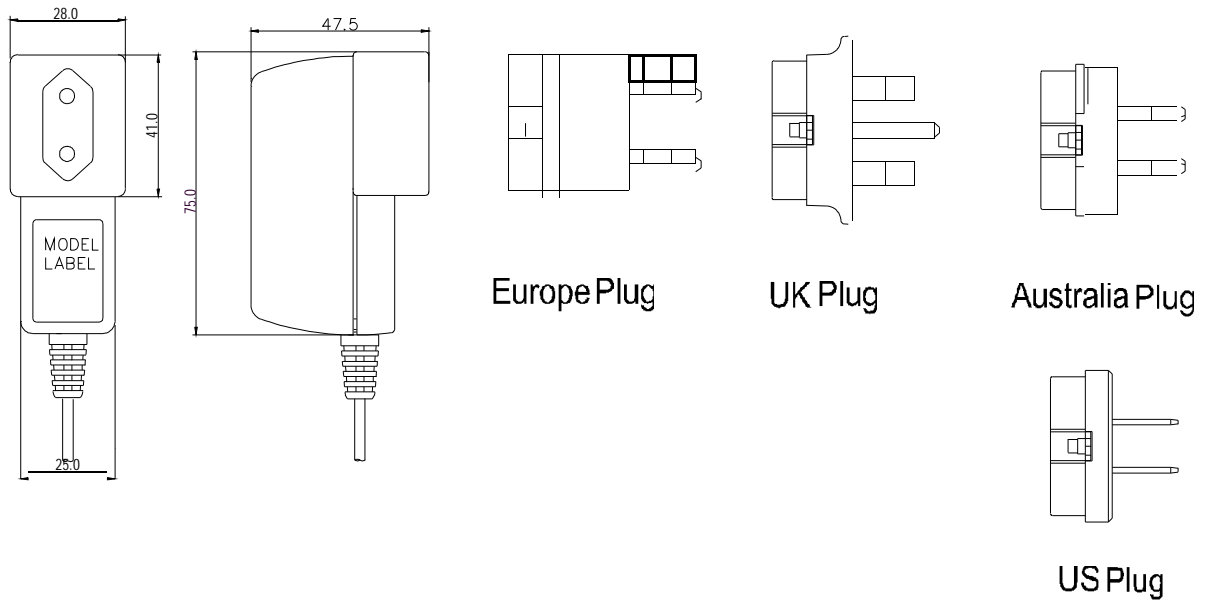
The power supply shall provide OVP such that under any single component failure, the output channel shall not exceed 60Vdc with a maximum duration of 250 mS.

### 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

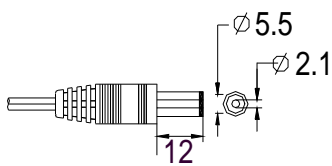


Colour: Black

Fig.1

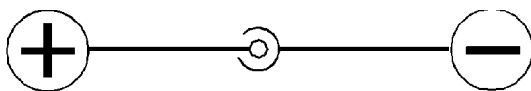
### 4.2. DC output cable and plug:

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

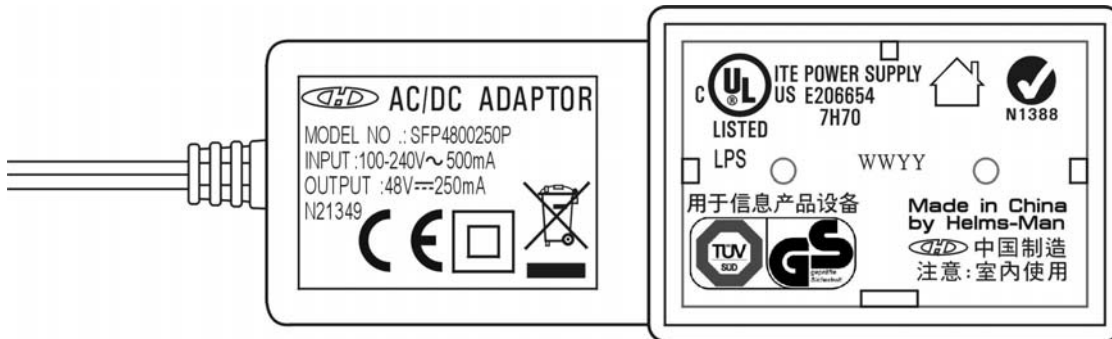


Plug Pt Nr: PS-552112

### 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.