



SPECIFICATION FOR APPROVAL

承认书

CUSTOMER : _____
ARTICLE : Switching Power Supply
PART NO : HS72-12050003EU
MODEL NO : S72W12050003EU
DATE : JUL.29.2007

Authorized Signature			

 中山市汇洋电器厂
Zhongshan HuiYang Electric Appliance Factory

FOR ENGINEER DEPARTMENT ONLY		
REVISED CONTENT	DRAWN BY	APPROVED BY
		

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SPECIFICATION

CUSTOMER:
PART NO.:HS72-12050003EU

MODEL NO.: S72W12050003EU
DESIGN NO.:

DATE:
SIZE:111.5*63*35mm

1. General Scope

This document is for the description of HUIYANG ELEC. SMPS HS72-12050003EU and it covers all the related electrical, mechanical, environmental and safety aspects.

2. Electrical Specification

2.1 AC Input Specification

2.1.1 AC Input Voltage (Normal) : 100~240VAC

2.1.2 AC Input Voltage Range : 90~264VAC

2.1.3 AC Input Current : 1.2A Max(the condition of 90Vac)

2.1.4 AC Input Frequency (Normal) : 50/60 Hz

2.1.5 AC Input Frequency Range : 47~63 Hz

2.1.6 Dissipation of No Load Watt : 0.5W Max (the condition of 120Vac)

2.2.0 Output Specification

-Output Voltage : DC 12.0V

-Output Current : DC 3.5A

2.2.1 Line Regulation

- Measured by varying the line voltage from 90~264Vac

- Spec. : $\pm 5\%$ (11.40V~12.6V)

2.2.2 Load Regulation

- Measurer by varying the load current from 0A to 5.0A

- Spec. : $\pm 5\%$ (11.40V~12.6V)

2.3 Ripple & Noise

- Specification

Ripple : 200 mVp-p Max

Noise : 200 mVp-p Max

- Ripple & Noise are defined as a composite of power line frequency component plus a high frequency component due to the power oscillation.

- Ripple & Noise are measured at the end of output cables which are added a 0.1uF(Ceramic capacitor) and 47uF (electrolytic capacitor).
(Scope bandwidth is 200MHz)

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2.4 Over Current Protection

- Specification
6.5 ~7.5A (the condition of 100Vac)
- The adaptor shall not be damaged by an over current from the output to return line.

2.5 Over Voltage Protection

- Input : ----Vac>90V
- Output Voltage is cut off

2.6 Short Circuit Protection

- The adaptor shall not be damaged by short circuit between DC output and DC ground.

2.7 Efficiency

- Spec. :75% Min
- Condition : INPUT 120VAC,LOAD 5.0A

2.8 Leakage Current

- Spec. : 10mA Max
- Condition : 120VAC, No Load

2.9 Inrush Current

- Spec. : 15A Max
- Condition : 120VAC Input,Full Load,Coll Start,

3. General characteristics

- Operating temperature : -10°C ~ 40°C
- Operating humidity : 20% ~ 80% RH
- Storage temperature : -20°C ~ 75°C
- Storage humidity : 10% ~ 90% RH
- Dielectric withstanding voltage :1.5KVac / 1min at 10mA
(Between primary to secondary)
- Vibration : 30~ 300Hz, 0.1oct / min, 2.5G
- Drop test : 75cm, 6times, steel bottom



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4. Mechanical Specification

- a) Size : 111.5mm*63mm*35mm(L*D*H) ± 2 mm
- b) Weight : 330gram under
- c) Case material & color : PC,Black
- d) AC plug and cable: 2Pin GS Plug,Length: 1500mm ± 50 mm,black, 2x0.75mm²
- e) DC Cable:
 - 1185#18AWG, DC PLUG:1.0x3.75x12mm
 - Length : 1830mm ± 50 mm
 - Color : Black

5. Documents Applicable

3.1 SAFETY REQUIREMENT:

- a. SAFETY : UL/CSA/GS/CE/

3.2 E.M.C REQUIREMENT:

- EN55022
- EN61000-3-2.
- EN61000-3-3.
- EN55024

3.3 EMI REQUIREMENT:

- FCC PART 15
- CISPR Pub.22

6. 7.M.T.B.F.:

25,000 HOURS Min ;35°C SEE CONDITION



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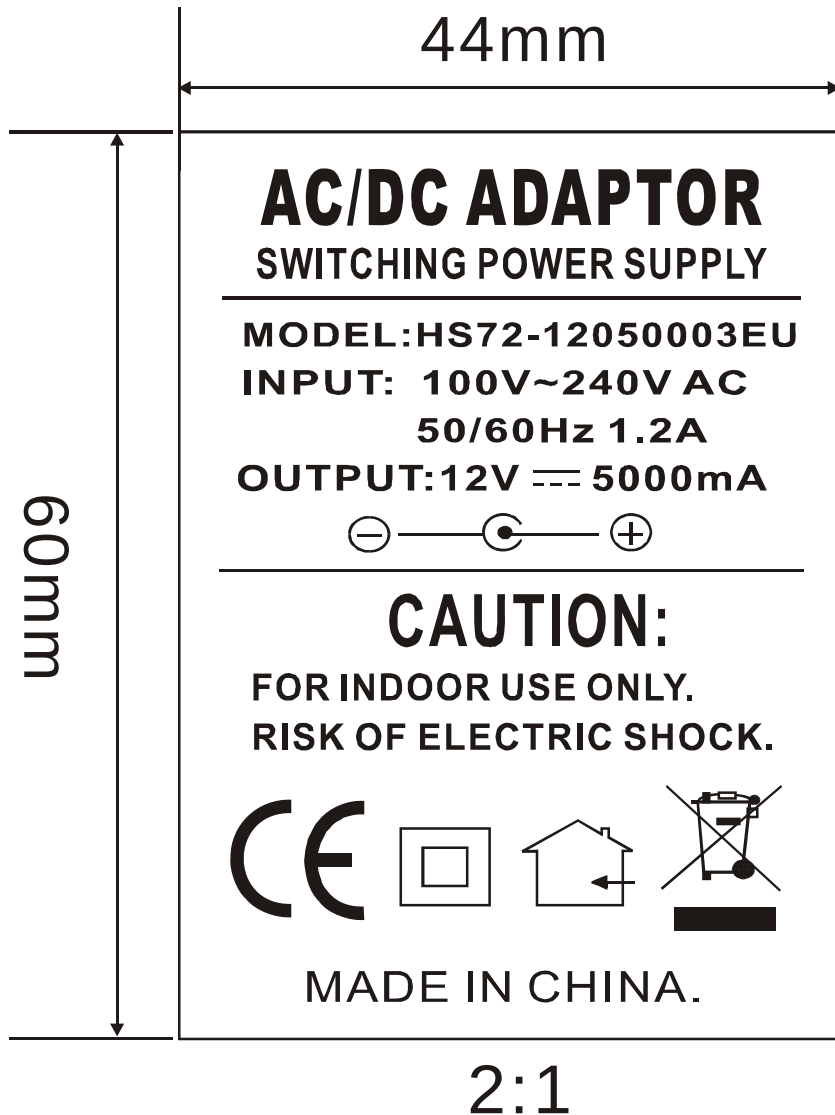
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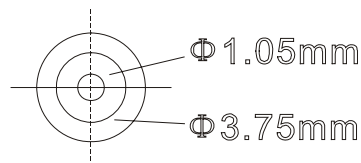
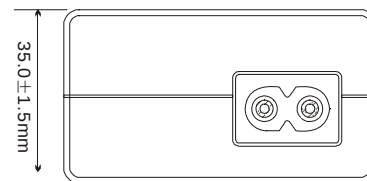
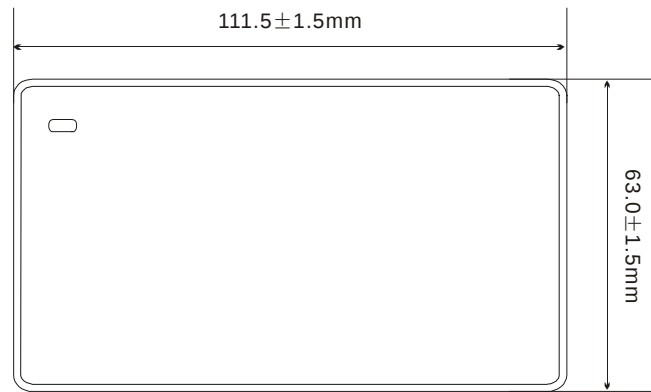
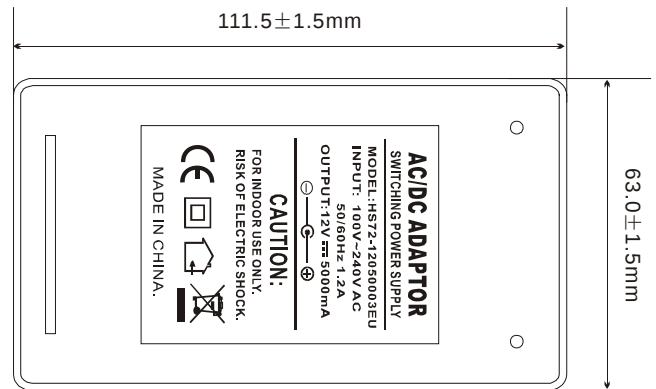
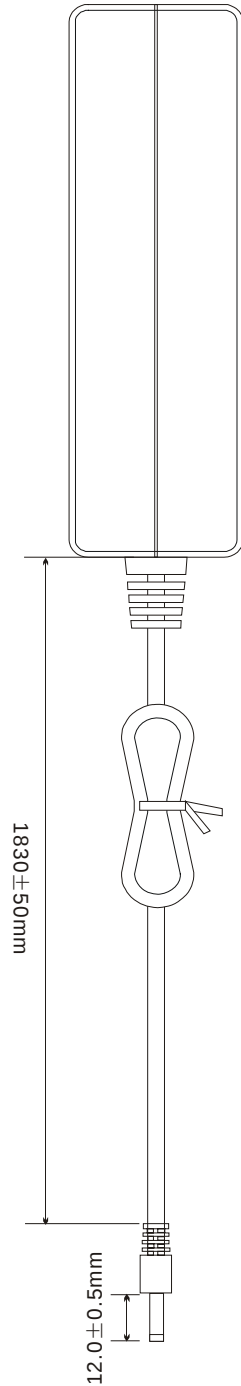
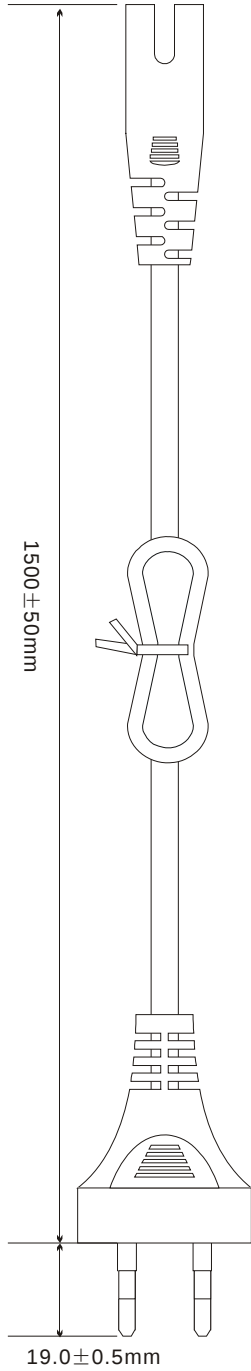


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Color : Black

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