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Switching Power Supply Specifications

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1. General Description

This specification defines the input, output, performance characteristics, and environment, noise and safety requirements for a **60 watts** power supply. It is full range AC (100~240V) input and **+12V** DC output.

2. (INPUT CHARACTERISTICS):

2.1 (Input Voltage):

(Nominal Voltage):100-240Vac

Variation Range) :90-264Vac

2.2 (Input Frequency) :

(Nominal Frequency) :50-60Hz

(Variation Frequency) :47-63Hz

2.3(Input Current):

2.0A。

2.0Arms max At any input voltage and rated, DC output rated load.

2.4(Inrush Current):

25℃, 240Vac, 30A。

30Amps Max. Cold start at 240Vac input, with rated load and 25℃ambient.

2.5 AC(Ac Leakage Current):

240Vac, 0.25mA。

0.25mA Max At 240Vac input.

3. (OUTPUT CHARACTERISTICS):

3.1(Power Output);

Voltage	Min.	Load	Max.	Peak	Output	Power
+12.0Vdc		0A	5.0A	5.0-8.0A		60.0W

3.2(Combined Load/Line Regulation):

Voltage	Min.	Voltage	Max.	Voltage	Line	Regulation	Load	Regulation
+12.0Vdc		12.0V		12.6V		±3%		±5%

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3.3 (Ripple And Noise) :

The ripple and noise are as follows when measure with Max. Bandwidth of 20MHz and Parallel 4.7uF/0.1uF,crossed connected at testing point.

V	oltage	Ripple	And Noise(Max.)
	+12.0Vdc	120mVp-p	

3.4(Turn On Delay Time):

2 second Max. At 115Vac input and output Max. Load.

3.5 (Rise Time):

40mS Max. At 115Vac input and output Max. Load.

3.6 (Hold Up Time):

5mS Min. At 115Vac input and output Max. Load.

3.7(Efficiency):

80%Min.At 100Vac input and output Max. Load.

81%Min.At 240Vac input and output Max. Load.

3.8(Overshoot):

15%Max.When power supply at turn on or turn off.

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4. 保护功能(PROTECTION REQUIREMENT):

4.1 Short Circuit Protection:

The power supply will be auto recovered when short circuit faults remove.

4.2 (Over current Protection):

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The power supply will be auto recovered when over current faults remove.

4.3(Over Voltage Protection)

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The power supply will not be auto recovered when faults remove.

5. (ENVIRONMENTAL REQUIREMET):

5.1(Operating Temperature):

0℃to40℃,Full load Normal operation.

5.2(Storage Temperature):-20℃to85℃, (With package).

5.3(Relative Humidity):

5%(0℃)～90%(40℃)RH,72Hrs,Full load Normal operating.

5.4(Vibration):

5.4.1 Operating: IEC 721-3-3 3M3

5～9Hz,A=1.5mm (9～200Hz,Acceleration 5m/s²)

5.4.2(Transportation): IEC 721-3-2 2M2

5-9Hz, A=3.5mm

9～200Hz, Acceleration=5m/S²

200～500HZ, Acceleration=15m/S²

5.4.3 (Axes,10 cycles per axis) .

No permanent damage may occur during testing.

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The product has to restores its original situation after power off/on.)

5.5(Dropping Test)

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1 corner,3 edges, and 6 surfaces

76cm Height:76cm

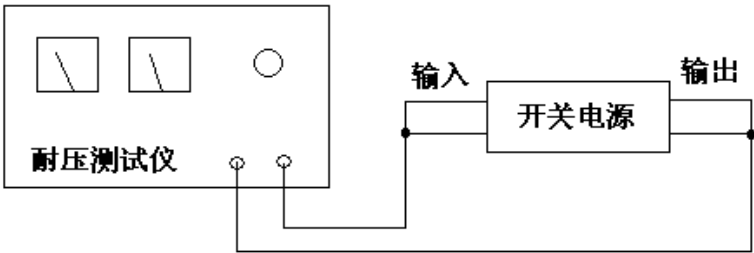
6. 安全及 EMC 要求(SAFETY AND EMC REQUIREMENT):

6.1 CE、ROHS、GS

Ap provals: CE ,TUV/GS,UL,FCC,ROHS .

6.2 (DIELECTRIC STRENGTH):

Primary to secondary: 4242Vdc/5mA/60s.



7.(MECHANICAL REQUIREMENT):

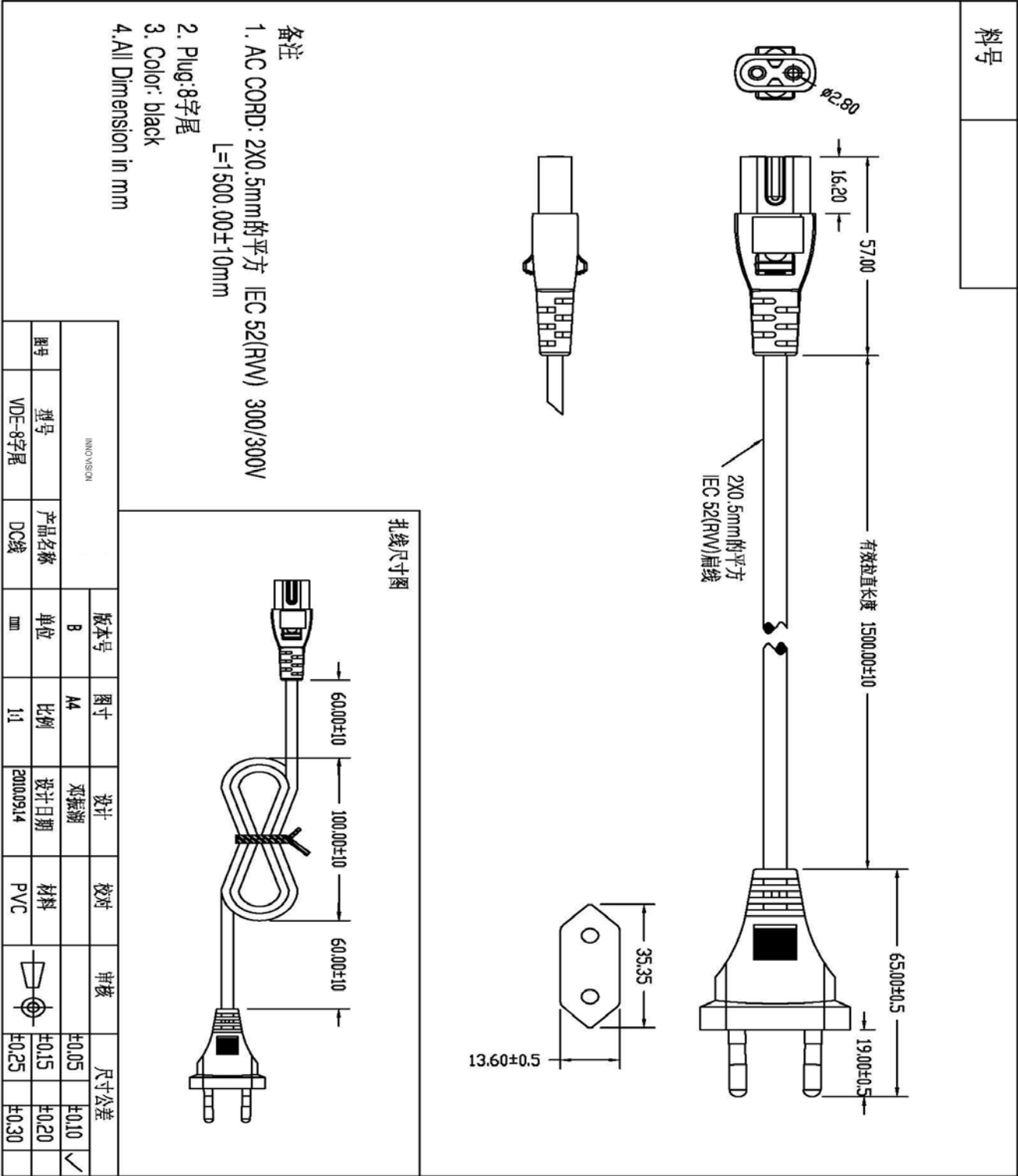
7.1(Case):

Dimension: L125*W50*H32mm



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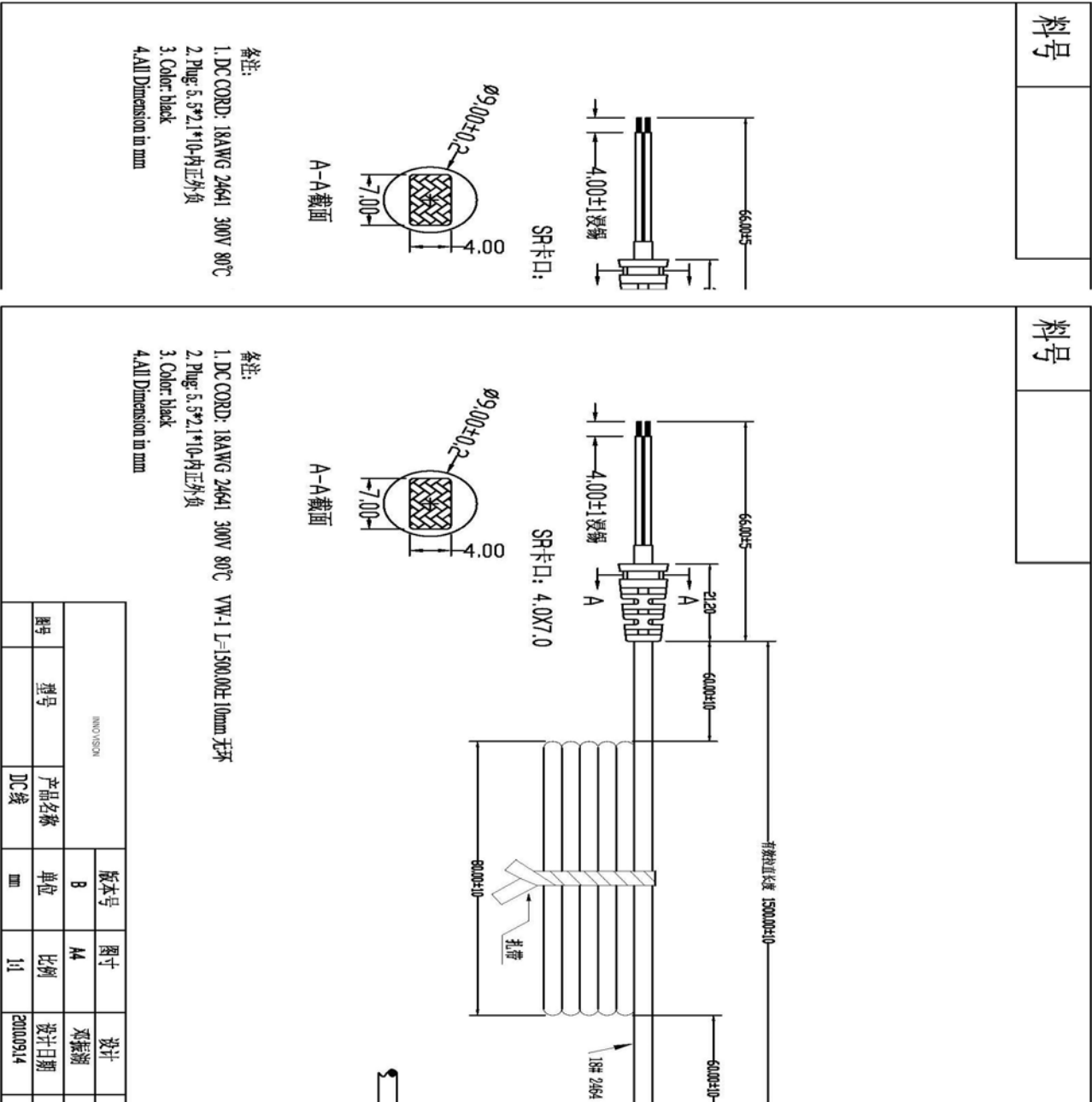
7.3 输入线 AC Input Cable Drawing



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7.4 Output DC cable

DC cable: AWM 2464 18A WG*2C, VW-1, 80℃, FT1, 300V, with word on the cord,Length:1.5M, without magneticring,DC connector 5.5X2.1X10mm.SR4×7



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AC/DC Adapter
(电源适配器)

MODEL (型号) :GM602-120500
INPUT (输入) :100-240V~50/60Hz 2.0A
OUTPUT (输出) :12V==5.0A 60VA Max LPS



CAUTION/警告：
RISK OF ELECTRIC SHOCK.
(小心触电)
DRY LOCATION USE ONLY.
(仅限在室内干燥环境使用)
MADE IN CHINA/中国制造

black words with white back ground
e heat above1 10℃
Thickness: 0.12mm
3*RI±0.1mm
Angle: 2.5mm

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9. 包装 Packing Drawing

