

CUSTOMER		CUSTOMER PART NO.				
MANUFACTURE R	INNO VISION		PAGE	1OF8	EDITION	A

## Switching Power Supply Specifications

### Table of contents

1. SCOPE.....	2
2. INPUT CHARACTERISTICS.....	2
3. OUTPUT CHARACTERISTICS.....	2-3
4. PROTECTION REQUIREMENT.....	4
5. ENVIRONMENTAL REQUIREMET.....	4-5
6. EMC SAFETY AND EMI REQUIREMENT.....	5
7. MECHANICAL REQUIREMENT.....	5-6
8. LABEL.....	6
9. PACKING .....	7

CUSTOMER		CUSTOMER PART NO.				
MANUFACTURER	INNO VISION		PAGE	2OF8	EDITION	A

**1、 (SCOPE):**

**GM36-120200-2\_\_\_\_\_**

The purpose of the document is to specify the functional requirements of a 24W switching power supply.

**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):

1.0Arms max At any input voltage and rated, DC output rated load.

2.4(Inrush Current):

30Amps Max. Cold start at 240Vac input, with rated load and 25°C 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. Load	Peak	Output Power
+12.0Vdc	0A	2.0A	2.5-3.5A	24.0W

3.2(Combined Load/Line Regulation):

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

CUSTOMER		CUSTOMER PART NO.				
MANUFACTURER	INNO VISION		PAGE	3OF8	EDITION	A

### 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.

Voltage	Ripple	And Noise(Max.)
<u>+12.0Vdc</u>		<u>80mVp-p</u>

### 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):

81%Min.At 100Vac input and output Max. Load.

82%Min.At 240Vac input and output Max. Load.

### 3.8(Overshoot):

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

CUSTOMER		CUSTOMER PART NO.				
MANUFACTURER	INNO VISION		PAGE	4OF8	EDITION	A

#### 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 Voltage Protection)

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

#### 5、(ENVIRONMENTAL REQUIREMET):

##### 5.1(Operating Temperature):

0°Cto40°C,Full load Normal operation.

##### 5.2(Storage Temperature): -20°Cto85°C,(With package).

##### 5.3(Relative Humidity):

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

##### 5.4(Vibration):

###### 1、 Operating: IEC 721-3-3 3M3

5~9Hz,A=1.5mm (9~200Hz,Acceleration 5m/s<sup>2</sup>)

###### 2、 (Transportation): IEC 721-3-2 2M2

5-9Hz, A=3.5mm

9~200Hz, Acceleration=5m/S<sup>2</sup>

200~500HZ, Acceleration=15m/S<sup>2</sup>

###### 3、 Axes,10 cycles per axis) .

No permanent damage may occur during testing.

CUSTOMER		CUSTOMER PART NO.				
MANUFACTURER	INNO VISION		PAGE	5OF8	EDITION	A

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

5.5(Dropping)(Packed):

1 corner,3 edges, and 6 surfaces

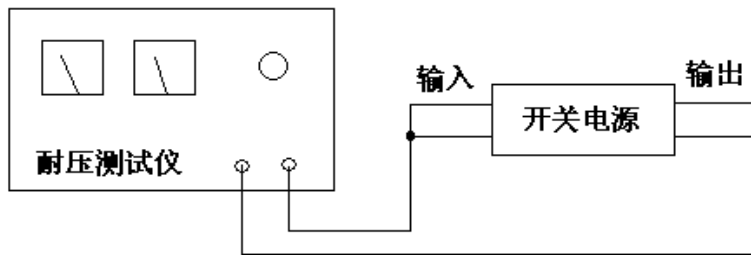
76cm Height:76cm

## 6、 EMC(SAFETY AND EMC REQUIREMENT):

6.1 Safety: Meet CE,ROHS requirements

6.2(DIELECTRIC STRENGTH):

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



## 7、 (MECHANICAL REQUIREMENT):

7.1 (Enclosure):

L78\*W45\*H32mm

The power supply size L: L78\*W45\*H32mm



CUSTOMER		CUSTOMER PART NO.			
MANUFACTURER	INNO VISION		PAGE	6OF8	EDITION A

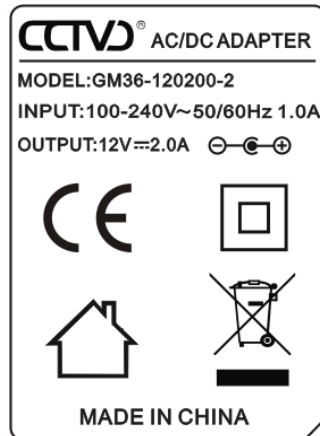
7.2 (Input Connector):

7.3;

DC : AWM 2464 20A WG\*2C,VW-1,80°C,FT1,300V, 1.5  
, DC 5.5X2.1X10mm, SR4×7。

DC cable: AWM 2464 20A WG\*2C, VW-1, 80°C, FT1, 300V, with word on  
the cord,Length:1.5M,without magnetic ring,DC plug 5.5X2.1X10mm.in+/out-

### 8、(Label):



black words with white back

ground

Material:

110

Endure heat above1 10°C

0.12mm

Thickness:0.12mm

3\*RI±0.1mm

3\*RI±0.1mm

2.5mm

Angle 2.5mm

Note: we can put clients 'brand and logo when required.

CUSTOMER		CUSTOMER PART NO.			
MANUFACTURER	INNO VISION		PAGE	7OF8	EDITION A

9、PACKING

包装方式

备注:

1. 外箱材质: B@B
2. 采用白盒+PE袋+外箱
3. 一箱50PCS, 第一, 二层分别为20PCS, 第三层10PCS

外箱尺寸: L\*W\*H=460\*390\*256

INNOVISION		版本号	图寸	设计	校对	批准	尺寸公差
型号	60W常规	B	A4	邓振潮			±0.05
产品名称	纸箱	单位	比例	设计日期	材料		±0.15
		mm	1:1	2010.09.13	PVC		±0.20
							±0.30

DESIGN: James      CHECK: Bond      APPROV AL:Peter