



Shen Zhen Fekko Industrial CO., LTD

Recognition of the product

DESCRIPTION: Switching power Supply

CUSTOMER PART NO: AD-S12100AB

OUR MODEL NO: AD-S12100AB

DATE: 2009-5-23

PLEASE RETURN TO US ONE COPY OF “SPECIFICATION FOR APPROVAL” WITH YOUR

APPROVED SIGNATURES



Shenzhen Fekko Industrial Co., Ltd.

Our model: AD-S12100AB

Customer:

Date:2009-05-23

Product No:090052302

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DESIGN:	CHECK:	APPROVAL:
		Our model: AD-S12100AB
		Customer:
		Date:2009-05-23
		Product No:090052302

1、 SCOPE:

AD-S12100AB .

The purpose of the document is to specify the functional requirements of a 120W switching power supply.

2 INPUT CHARACTERISTICS:

2.1 Input Voltage:

Rated Voltage:100~245Vac

Variation Range:90-265Vac

2.2 Input Frequency:

Rated Frequency: 50/60Hz.

Variation Frequency:47-63Hz

2.3 Input Current:

1.A.

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

2.4 Inrush Current:

25°C, 240Vac 20A.

20Amps Max. Cold start at 240Vac input, with rated load and 25°C ambient.

2.5AC Ac Leakage Current:

240Vac 0.25mA.

0.25mA Max.At240Vac input.

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3、 OUTPUT CHARACTERISTICS:**3.1 Power output**

Voltage	Min. Load	Rated. Load	Peak	Output power
12Vdc	0.0	10A	139W	120W

3.2 Combined Load/Line Regulation

Voltage	Min. Load	Rated. Load	Line Regulation	Load Regulation
12Vdc	0.0	0.4R	±5%	±5%

3.3 Ripple and Noise:

40MHz

47uF 0.1uF .

Under nominal voltage and nominal load,the ripple and noise are as follows when measure with Max.Bandwidth of 20MHz and Parallel 47uF/0.1uF,crossed connected at testing point.

X q n v c i g Ripple and Noise(Max.)

12Vdc 100Mv p-p

3.4 Turn on delay time:

115Vac 1S.

1Second Max.at 115Vac input and output Max.load.

3.5 Rise time:

115Vac 40mS.

40Ms Max.at 115Vac input and output Max load.

3.6 Hold up time:

115Vac 5Ms.

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

3.7 Efficiency:

100Vac 75%.

75% Min.at 100Vac input and output Max.Load.

240Vac 80%.

80% Min.at 240Vac input and output Max.Load.

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3.8 Overshoot:**15%.****15% Max. When power supply at turn on or turn off.****4、 PROTECTION REQUIREMENT:****4.1 Short circuit protection:****The power supply will be auto recovered when short circuit faults remove.****4.2 Over current Protection:****The power supply will be auto recovered when over current faults remove.****4.3 (Over Voltage Protection)****150%~180%****The power supply will auto recovered when faults remove 150%~180%.****5、 ENVIRONMENTAL REQUIREMENT:****5.1 Operating Temperature:****0°C-40 Full load, Normal operation.****0°C to 40°C, Full load, Normal operation.****5.2 Storage Temperature:-10°C to 80°C****With package****5.3 Relative Humidity:****5% (0°C) ~90% (40°C) ,72****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 / S²)****2. Transportation:****IEC 721-3-2 2M2****5-9Hz, A=3.5mm****9~200Hz, Acceleration=5m / S²****200~500Hz, Acceleration=15m / S²**

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3. Axes,10 cycles per axis.

No permanent damage may occur during testing.

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

6、 EMI / SAFETY AND EMI REQUIREMENT:

6.1 EN 60950

Safety:accord with EN 60950

6.2 DIELECTRIC STRENGTH Hi-Pot:

Primary to secondary,2KVac/5mA/60s.

Primary to Case,2000Vac/5mA/60s.

6.3 EMI EMI STANDARD

Meets the Limits of/

<1>.Fcc class B rules

<2>.EN55022 class B rules

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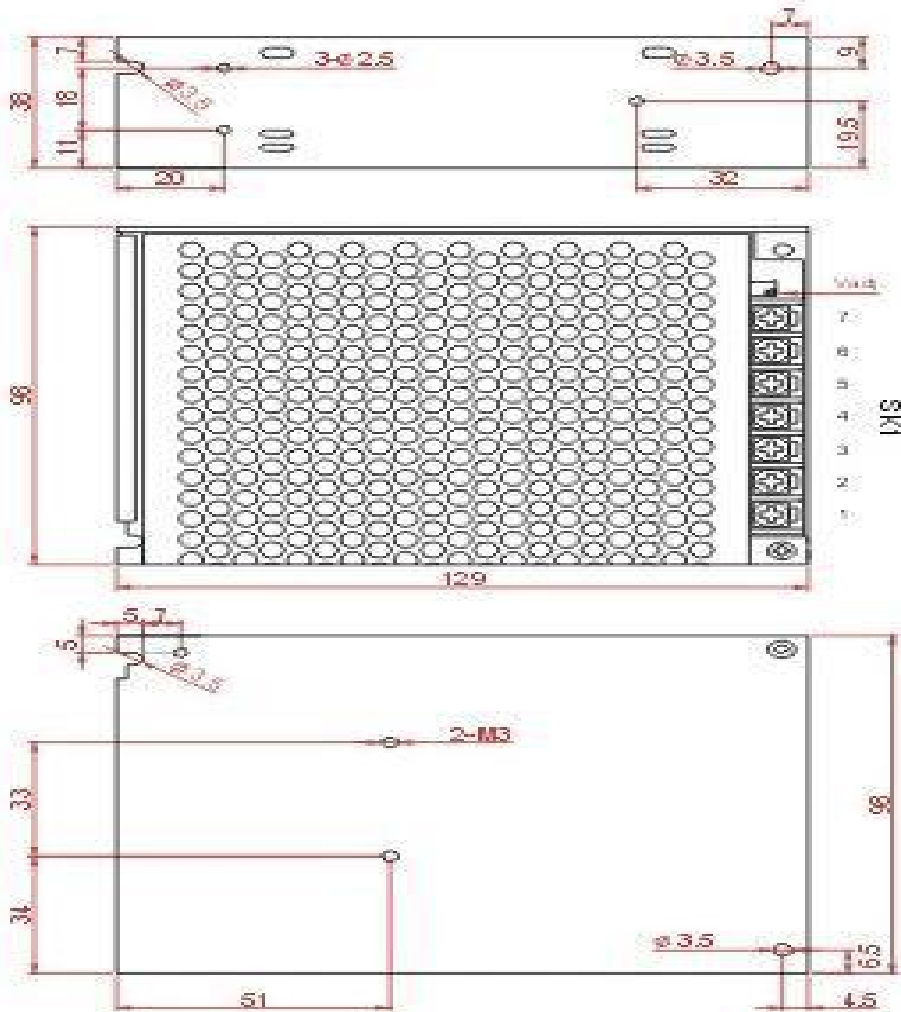
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7、 OUTLINE DIMENSION:

物理参数



脚位定义

SK1

P1:LINE

P2:NEUTRAL

P3:GROUND

P4:Vout2+

P5:NON

P6:COMMON

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NOTE:

- 1、
- 2、 : 50 PCS.
- 3、 :0.88kg