

PART NO: PSU SWMMC 48V 12.5A

DESCRIPTION: AC/DC Switch Power

MODEL NO: M480120P600



AC/DC Switch Power Specifications

Table of contents

1. : Description.....	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.....	5-7
8. : PACKING	7

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1、 (Description):

48V 12.5A

The purpose of the document is to specify the functional requirements of a 600W AC/DC Switch Power.

2、 INPUT CHARACTERISTICS):

2.1 (Input Voltage):

(Nominal Voltage): 176-264Vac

2.2 (Input Frequency) :

(Nominal Frequency) : 47-63Hz

2.3(Input Current):6.5A。

6.5Arms max At any input voltage and rated, DC output rated load.

2.4(Inrush Current):

25°C , 50A。

50Amps Max. Cold start at 240Vac input, with rated load and 25°C ambient.

2.5 AC (Ac Leakage Current):

220Vac , 0.25mA。

0.25mA Max At 220Vac input.

3、 (OUTPUT CHARACTERISTICS):

3.1 (Power Output);

<u>Voltage</u>	<u>Min. Load</u>	<u>Max. Load</u>	<u>Peak</u>	<u>Output Power</u>
DC48V	0A	12.5A	15A	600W

3.2 (Combined Load/Line Regulation):

<u>Voltage</u>	<u>Min. Voltage</u>	<u>Max. Voltage</u>	<u>Line Regulation</u>	<u>Load Regulation</u>
+48Vdc	45V	50V	±5%	±5%

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3.3 (Ripple And Noise) :

47uF 0.1uF

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

<u>Voltage</u>	<u>Ripple And Noise(Max.)</u>
+48Vdc	150mVp-p

3.4 (Turn On Delay Time):

115Vac 2S。

2 second 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):

115V 5mS。

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

3.7 (Efficiency):

100Vac, >80%。

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

240Vac, >85%。

>85%.At 240Vac input and output Max. Load.

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 Voltage Protection)

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

5、 (ENVIRONMENTAL REQUIREMET):

5.1 (Operating Temperature):

0°C ~ -40 (Full load Normal operation)。

0°C to 40°C, Full load Normal operation.

5.2 (Storage Temperature): -20°C to 75°C, 帶外壳 (With package).

5.3 (Relative Humidity):

5% (0°C) ~ 90% (40°C)

5% (0°C) ~ 90% (40°C)

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

3、 (Axes, 10 cycles per axis) .

No permanent damage may occur during testing.

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

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5.5 HI POT) AC1500V 60, 1.39mA;

Input to Output AC1500V 60seconds,Leak current 1.39mA;

AC1500V 60 , 1.39mA;

Input to casing AC1500V 60seconds,Leak current 1.39mA;

AC1500V 60 , 1.39mA;

Output to casing AC1500V 60seconds,Leak current 1.39mA;

6、EMC (SAFETY AND EMC REQUIREMENT) :

7、(MECHANICAL REQUIREMENT):

7.1(Enclosure):

: 238*124*65mm

The power supply size : 241*125*67mm

: 1460g Weight : 1460g

: 37*27.5*27CM

Neutral packaging is white box packaging (color box, standard and large quantity can be customized according to customer requirements)

48V12.5A 600W IP20 LED power supply



Material: Aluminum

Endure heat above 105°C

0.2-0.3mm

Thickness: 0.2-0.3mm

3*RI ± 0.1mm

3*RI ± 0.1mm

2.5mm

Angle 2.5mm

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