

SPECIFICATION

□ □ ITEM : 12V5A Adapter DEP125000

Switching Power Supply Specifications

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1□□□□SCOPE□□

□□□□□ DEP-12 □□□□□□□

The purpose of the document is to specify the functional requirements of a 60W switching power supply.

2□□□□□□INPUT CHARACTERISTICS□□

2.1 □□□□(Input Voltage):

□□□□(Nominal Voltage):100-240Vac

2.2 □□□□□Input Frequency□:

□□□□□Nominal Frequency□:50/60Hz

2.3 **(Input Current):**

1.2Amps max At any input voltage and rated, DC output rated load.

2.4 **(Inrush Current):**

35Amps Max. Cold start at 240Vac input, with rated load and 35°C ambient.

2.5 AC **(Ac Leakage Current):**

0.25mA Max At 240Vac input.

OUTPUT CHARACTERISTICS

3.1 **(Power Output);**

Voltage	Min. Load	Max. Load	Peak	Output Power
+12.0Vdc	0.18A	5A	5.5A	60W

3.2 **(Combined Load/Line Regulation):**

Voltage	Min. Voltage	Max. Voltage	Line Regulation	Load Regulation
+12.0Vdc	11.5V	12.5V	±3%	±8%

3.3 **Ripple And Noise:**

20MHz 20mVp-p

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.

Voltage	Ripple And Noise(Max.)
+12.0Vdc	50mVp-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%Min. At 100Vac input and output Max. Load.

□□□ 240Vac □□□□□□□□□ 85%□

85%Min. 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 current Protection)□□□□□□□□□□□□□□□□□□

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

4.3 □□□□(Over Voltage Protection)

□□□□□□□□□,□□□□□,□□□□□□□□□□□

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

5□□□□□(ENVIRONMENTAL REQUIREMET):

5.1 □□□□(Operating Temperature):

-20□~40□,□□,□□□□(Full load Normal operation)□

-20□to40□,Full load Normal operation.

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

5.3 □□□□(Relative Humidity):

5%(0□)□90%(40□),72 □□,□□,□□□□

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

5.4 □□□□(Dropping)(Packed):

□□□,□□□, □□□□

1 corner,3 edges, and 6 surfaces

□□ 76m Height:76cm

6□□□□(MECHANICAL REQUIREMENT)□



6.2 □□□ (Input Connector):

NO

6.3;□□□

DC □: 1.2M