



LE FRONTE FAR EAST CO., LTD
宁方远东有限公司

Customer: OpenPeak OP-20004

Our model:LFS054000D-A8S

Date:

REV.: 00

1、 DESCRIPTION:

24W Max Output Wall Mounting Power Supply

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

2、 INPUT CHARACTERISTICS:

2.1 Input Voltage:

Rated Voltage:100~120Vac

Voltage Range: 90-132Vac

2.2 Input Frequency:

Rated Frequency: 50/60Hz.

Frequency Range:47-63Hz

2.3 Input Current:

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

2.4 Inrush Current:

50 Amps Max. Cold start at 132Vac input, with rated load and 25 °C ambient.

2.5 AC Leakage Current:

0.25mA Max.At 132VAC input.



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3、 OUTPUT CHARACTERISTICS:

3.1 Combined Load/Line Regulation

Voltage	Rated. Load	Output power	Line Regulation	Load Regulation
3-24V dc	0.5-4A	24W MAX	±1% MAX.	±5%MAX

3.2 Ripple and Noise: 1% of Output Voltage

Under nominal voltage and nominal load, the ripple and noise are as follows when measure with Oscilloscope Max.Bandwidth of 20MHz and Parallel 47uF/0. 1uF,crossed connected at testing point.

3.3 Turn on delay time:

2Second Max.at 115Vac input and output Max.load.

3.4 Rise time:

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

3.5 Hold up time:

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

3.6 Efficiency:Meet Energy Star(CEC) IV,V .

4、 PROTECTION FUNCTION:

4.1 Short circuit protection

4.2 Over current Protection

4.3 Over Voltage Protection.

5、 ENVIRONMENTAL REQUIREMENT:

5.1 Operating Temperature:

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

5.2 Storage Temperature: -20°C to 80°C

5.3 Relative Humidity:

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



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5.4 Vibration:

1. Operating:IEC721-3-33M3

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

5.5 DropTest:

3 Differents Surface, 3 Feet Height.

6、EMI/SAFETY AND EMI REQUIREMENT:

6.1 IEC60950.

Safety:accord with IEC60950.

6.2 DIELECTRIC STRENGTH Hi-Pot:

Input to Output:3000V ac 10mA, 1 Minute,

Input to Cover:3000V ac 10mA, 1 Minute,

6.3 Insulation resistance:

Input to Output:50M Ω Minimum at 500V DC.

Input to Cover: 50M Ω Minimum at 500V DC.

6.4 EMI STANDARD

Meets the Limits of:

<1>.Fcc class B rules

<2>.EN55022 class B rules

<3>.GB9254-1998,GB17625.1-2003