XSI-1902370WC14

SHENZHEN SUNSHINE TECHNOLOGICAL CO.,LTD.

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1. SAFETY STANDARD：

1.1 The green mode power supply shall be certified by the following international regulatory standards:

☐		Country	CertifiedStatus	Standard
☑	PSE	Japan	APPROVED	J62368-1, J55032
☑	UL	USA	APPROVED	UL62368: 2014
☐	cUL	CAN	APPROVED	CAN/CSA-C22.2 No. 62368-1-14
☑	FCC	USA	APPROVED	Part 15 Class B
☑	CE	Europe	APPROVED	EN55032:55035/EN62368-1/EN 61558-1/EN 61558-2-16
☐	GS	Europe	APPROVED	EN 62368-1/EN 61558-1/EN 61558-2-16/AfP GS 2 1
☐	BS	UK	APPROVED	BS EN 62368-1/BS EN 61558-1/BS EN 61558-2-16
☐	SAA	Australia	APPROVED	AS/NZS 62368-1:2011& AS/NZS 3112:2011
☑	CCC	CN	APPROVED	GB4943-2022,GB17625.1-2022
☐	KC	KC	APPROVED	KC62368-1 KC60950-1

2.- INPUT CHARACTERIST：

2.1 INPUT VOLTAGE RANGE：90Vac to 264Vac.

2.2 RATED INPUT VOLTAGE：100Vac to 240Vac.

2.3 INPUT FREQUENCY RANGE：47Hz to 63Hz.

2.4 INPUT CURRENT：1.2Amax. (I/P100-240Vac).

2.5 INRUSH CURRENT：50Amax. at 100-240Vac input for a cold start at 25℃.

3.OUTPUT CHARACTERIST：

RATED OUTPUT	Min. Load	Rated Output Load	Output power	No Load Power consumption
19 VDC	0A	2.37 A	45.03 W	0.1W

3.2 Combined load

RATED OUTPUT	Min. Load	Rated Output Load	Line Regulation	Load Regulation
19 VDC	0A	2.37 A	±5%	±5% (18.05V-19.95V)

3.3 Higher than 87.72% at 100-240Vac input and output (25%, 50%, 75% & 100% load.)

3.4 Ripple and Noise:

Under nominal voltage and nominal load, the ripple and noise are as follows when measure with Max.Bandwidth of 20MHz and Parallel 10uF/0.1uF, crossed connected at testing point.

Voltage	Ripple and Noise(Max.)
+19VDC	≤200mV p-p

3.5 Turn on delay time:

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

3.6 Hold up time:

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

3.7 Electric withstanding strength (HI-POT)

Primary to Secondary AC1500V/5mA, 1 minute for type test.

3.8 Overshoot:

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

4. PROTECTION FEATURE:

4.1 Over-current protection：

The green mode power supply shall be hiccupped when any output operating in overload condition(set@ Max load 2.9A～3.5A) under any line condition for an indefinite period of time. The power supply shall be self - recovery when the fault condition is removed.

4.2 Short circuit protection：

The power supply shall be hiccupped and no damage shall occur when any output operating in a short circuit condition under any line condition for an indefinite period of time. The power supply shall be self - recovery when the fault condition is removed.

5. ENVIRONMENTAL CONDITIONS：

5.1 Operating：

The power supply shall be capable of operating continuously in any mode without performance deterioration in the following environmental conditions.

5.1.1 Ambient Temperature：0℃～40℃

5.1.2 Relative Humidity：10%～90%

5.2 Vibration

Operating: IEC 721-3-3 3M3 5~9Hz, A=1.5mm
(9~200Hz,Acceleration 5m/S2)

5.3 Cooling：

The power supply will operate with convection cooling. Blocking of vents must not cause damage to the power supply.

6. STORAGE CONDITIONS:

The power supply shall be capable of withstanding the following environmental conditions extended periods of time, without sustaining electrical or mechanical damage and subsequent operational deficiencies:

6.1.1 Ambient Temperature：0℃～60℃

6.1.2 Relative Humidity：10%～90%

6.2.3 Vibration and Shock ：

The power supply shall be designed to withstand normal transportation vibration per MIL-STD-810D, method 514 and procedures X, as it s mounted in the chassis assembly and packed for shipping.

7. RELIABILITY AND QUALITY CONTROL:

7.1 Burn-In

The power supply shall undergo a minimum of 4 hours Burn-In test under full load at 25℃～±5℃.

7.2 Component derating:

Semiconductor junction temperatures shall not exceed the manufacturer's maximum thermal rating.

8. EMC STANDARDS:

8.1 EMI STANDARDS：

The power supply met the radiated and conducted emission requirements for FCC CLASS B,EN55022 CLASS B.

8.2 EMC STANDARDS:

The power supply shall meet the following EMC standards：

EN 55035: 2017; Part 15 Subpart B, IC ICES-003

9. ENERGY SAVING (LEVEL VI / LEVEL 6):

9.1CEC Test Report (CEC Table U-2 Standards for Power Supplies Effective July 1, 2008).

9.2 EUP Test Report (COMMISSION REGULATION (EC) No 278/2009).

9.3 MEPS (AS/NZS 4665.2-2005).

10. INSULATION RESISTANCE:

Input to output: 200M OHM(500VDC)

11. LEAKAGE CURRENT:

The leakage current shall be less than **3.5mA** for **class I** when power supply is operated maximum input voltage and maximum load.

12. MAJOR MEASURE EQUIPMENT:

A. AC SOURCE: AFC - 500W

B. POWER METER: CHROMA 2100

C. ELECTRONIC LOAD: PRODIGIT 3310C

D. OSCILLOSCOPE: TDS-2012B

E. DIGITAL MULTIMETER: Fluke 4.5

F. DC POWER: WYK - 6030

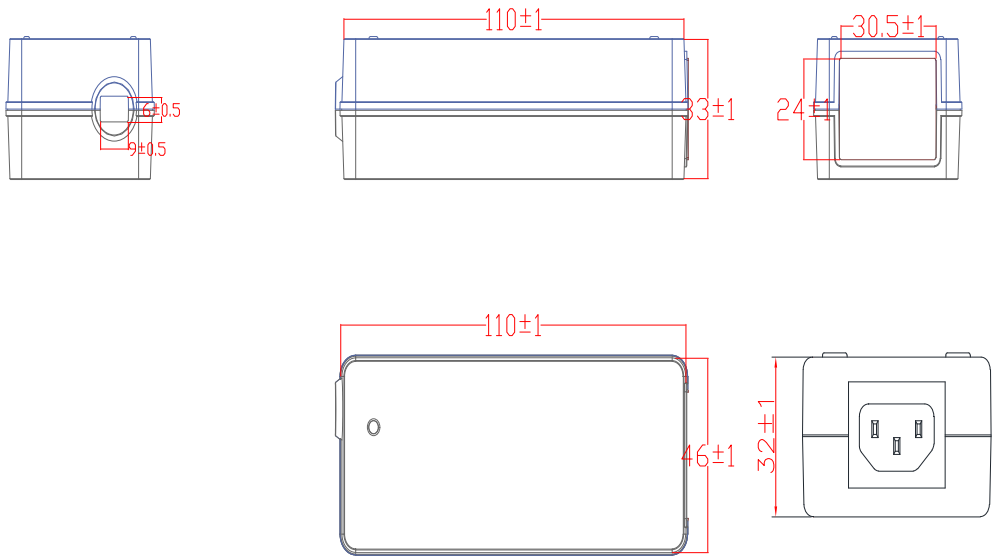
G. HI - POT TESTER: LANKE ELECTRONICS 7112

H. INSULATION RASISTANCE TESTER : YD2681A

PRODUCT OUTLINE DIMENSION

Unit:mm

Tolerance: ±0.5



13. WEIGHT:

The weight of the power supply shall be about **198 g.**

14. MECHANICAL REQUIREMENT:

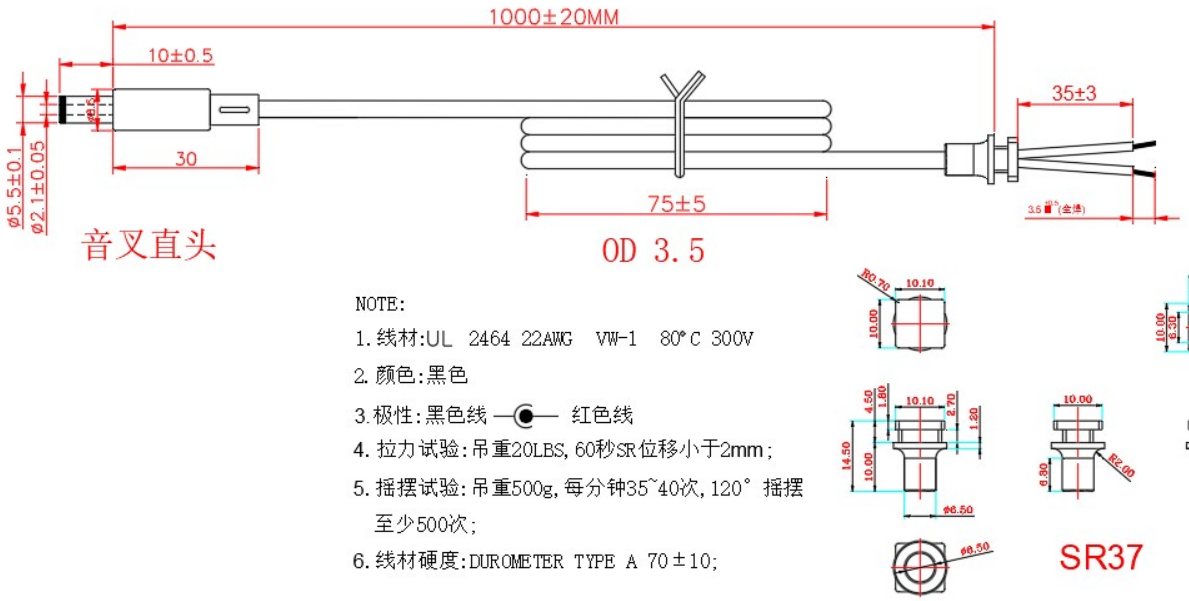
The power supply size: L 110*W 46*H 33mm

15. COLOUR:

☑Black □White

DC CORD

Unit: mm



NOTE:

1. 线材:UL 2464 22AWG VW-1 80°C 300V
2. 颜色:黑色
3. 极性:黑色线 —●— 红色线
4. 拉力试验:吊重20LBS,60秒SR位移小于2mm;
5. 摇摆试验:吊重500g,每分钟35~40次,120° 摇摆至少500次;
6. 线材硬度:DUROMETER TYPE A 70±10;