

深圳市视麦电气技术有限公司

SPECIFICATION

MODEL: MP1300

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1. Electrical Specification 电气规格:

1.1 Table 1 Input Electrical Characteristics (输入特性)

Input voltage range 输入电压	175Vac to 264Vac
Normal voltage range 标称输入	200Vac to 240Vac
Frequency range 频率范围	47Hz--63Hz
Max input ac current 最大输入电流	15A max. at full load condition
Leakage Current 泄漏电流	Less Than 0.5mA, @ 240Vac input
Normal output power 额定功率 (220VAC)	1500W
Regulation power range 可调功率范围	150- 1500W(Continued work) (连续工作)
Max. endure input voltage 最大输入电压	300Vac (电源不能损坏)

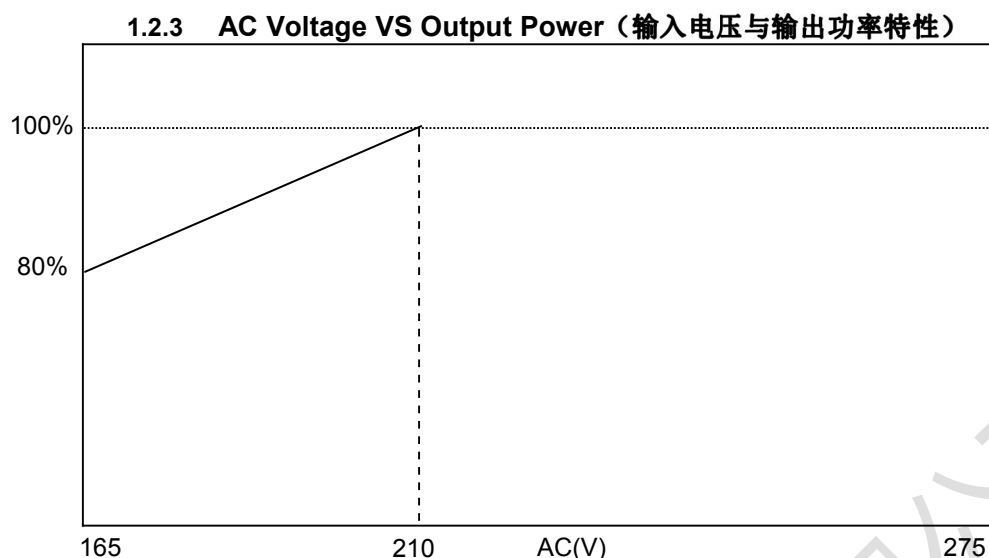
1.2 Output Electrical Characteristics (输出特性)

1.2.1 Rated Output Voltage & Current (额定输出电压电流)

Rated Output Anode HV 额定阳极高压 (typ.)	4~4.65KVdc
Rated Anode Output Current 额定阳极输出电流	430mA

1.2.2 Protection (保护功能)

AC RMS OVP 交流有效值过压保护	275VAC
AC RMS UVP 交流有效值欠压保护	160VAC
AC OCP 输入过流保护	18A



2. Control Logic (控制逻辑-通讯协议)

按照东莞佰诚源微波电源通讯协议 MWPC-LINK。(如附件)

调整功率的精度为: $\pm 10\%$ 。

3. Reliability (可靠性)

ON/OFF test: After applying 15000 times on/off test, included on for 4 minutes and off for 2 minutes, total test period is 1500 hours, unit shall work normally.

开关机测试: 经过 15000 次开关机测试后, 产品应工作正常, 其中包括开机 4 分钟关机 2 分钟, 总测试时间为 1500 小时。

4. Isolation (绝缘性能)

4.1 Insulation Resistance (绝缘阻抗)

The insulation resistance of 100Mohms shall be ensured at application 500VDC between AC line and earth for 1 minute.

测试电压 500VDC/1 分钟, 交流侧对地绝缘阻抗大于 100 兆欧。

4.2 Table 13 Dielectric Strength (绝缘耐压)

1500VAC between AC line and earth shall be withstood for 1 minute.

交流侧对地耐压大于 1500VAC/1 分钟。

5. Safety (安全规格)

The power supply shall comply with the following criterion:

电源安全性满足下列标准:

GB4706.1/IEC60335

6. EMC (电磁兼容性)

The power supply shall comply with the following criterion:

电源电磁抗扰满足下列标准:

6.1 ESD (静电抗扰度)

N/A

6.2 EFT (脉冲群抗扰度) 判据: A

GB17626.4- 1998/IEC61000-4-4

Level 1 L/N—Earth

6.3 SURGE (雷击浪涌) 判据: A

GB17626.5- 1998/IEC61000-4-5

Level 2 L—N 1KV 2ohms

L/N-Earth 2KV 12ohms

A: 电源在整个测试过程中, 性能没有任何降低, 完全和电源规格书中规定的指标相同。

B: 测试过程中, 电源的性能允许暂时降低, 但测试结束后能够恢复正常。

C: 允许出现短时的功能丧失, 但测试结束能够自动或者人工干预下恢复正常。

R: 测试过程中不允许出现除保险器件外其它器件的损坏。

7. WEEE/RoHS (环保指令)

产品符合 PAHs、RoHS、REACH 环保指令要求。

8. Environmental Requirement (工作环境)

8.1 Temperature (环境温度)

Operating 工作温度: -40℃ to +65℃.

Storage 存储温度: -40℃ to +85℃.

8.2 Humidity (环境湿度)

Operating 工作: From 10% to 90% relative humidity (non-condensing).

Storage 存储: From 5 to 95% relative humidity (non-condensing).

8.3 Altitude (海拔高度)

Operating: -60 to 3000 m (3000m 为基础, 海拔每升高 100 m, 最高温度降低 0.5℃)

Storage: Up to 5000 meters

8.4 Cooling Method (冷却方式)

oil cooling 油冷

变压器油规格: 符合 GB2536-90 25#

变压器油单台用量: 1200mL

9. Cautions (注意事项)

- 9.1 Be careful to take the board, proper method is to carry the board edge, do not carry a board by bring the heatsink or other electronic components, incorrect operation may causes the inverter damaged or other unexpected events.

拿取电源板时应用手托住板边, 轻拿轻放, 不可直接抓取散热器或其它器件, 以免造成电源损坏及其它意想不到的后果。

- 9.2 More than 4.6KV high voltage inside the inverter, do not touch any components on the board before disconnect the inverter.

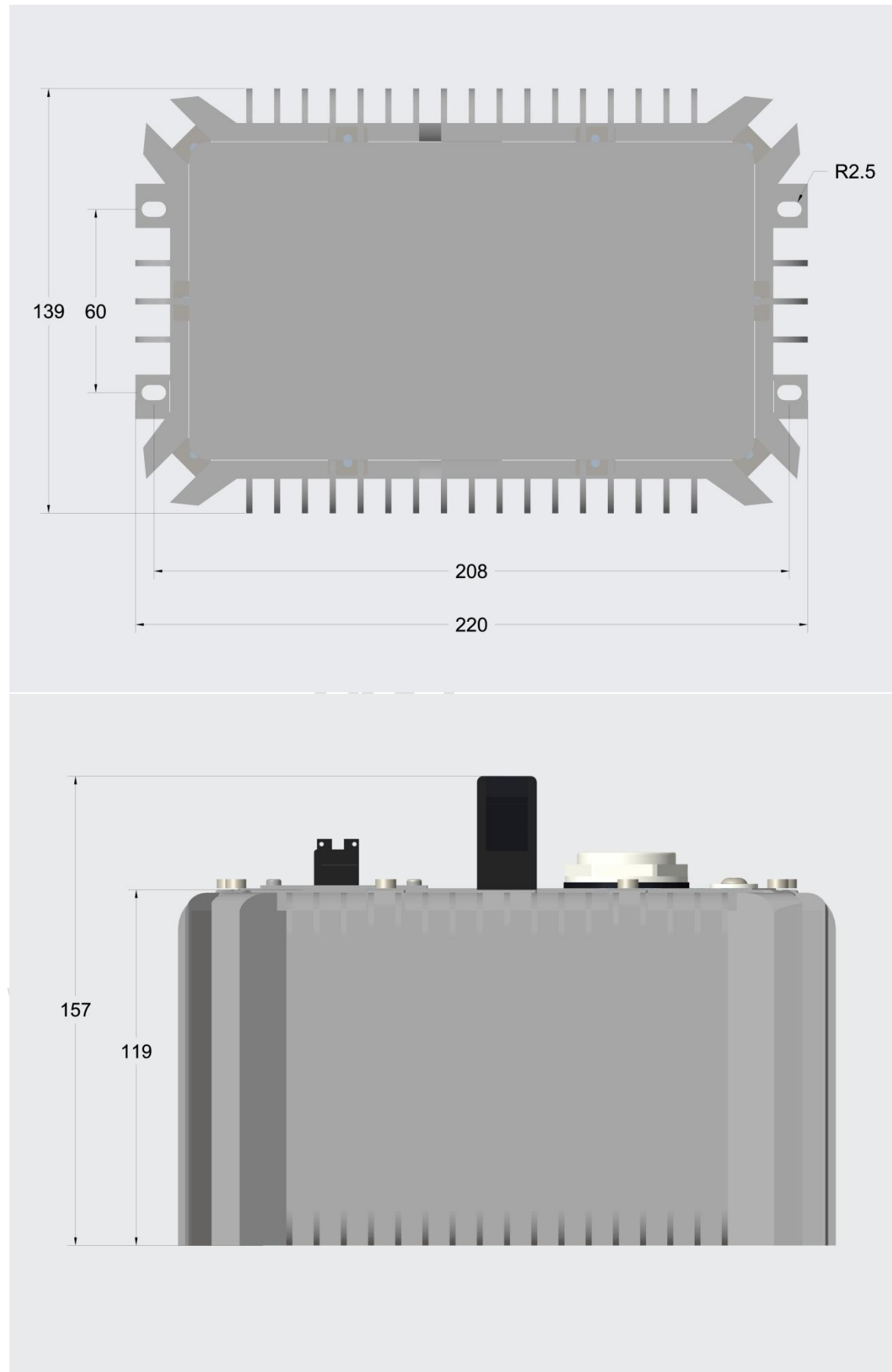
电源工作时可产生高达 4.6KV 的高压, 未完全断电情况下切勿触碰电源板上元器件

10. Weight (重量)

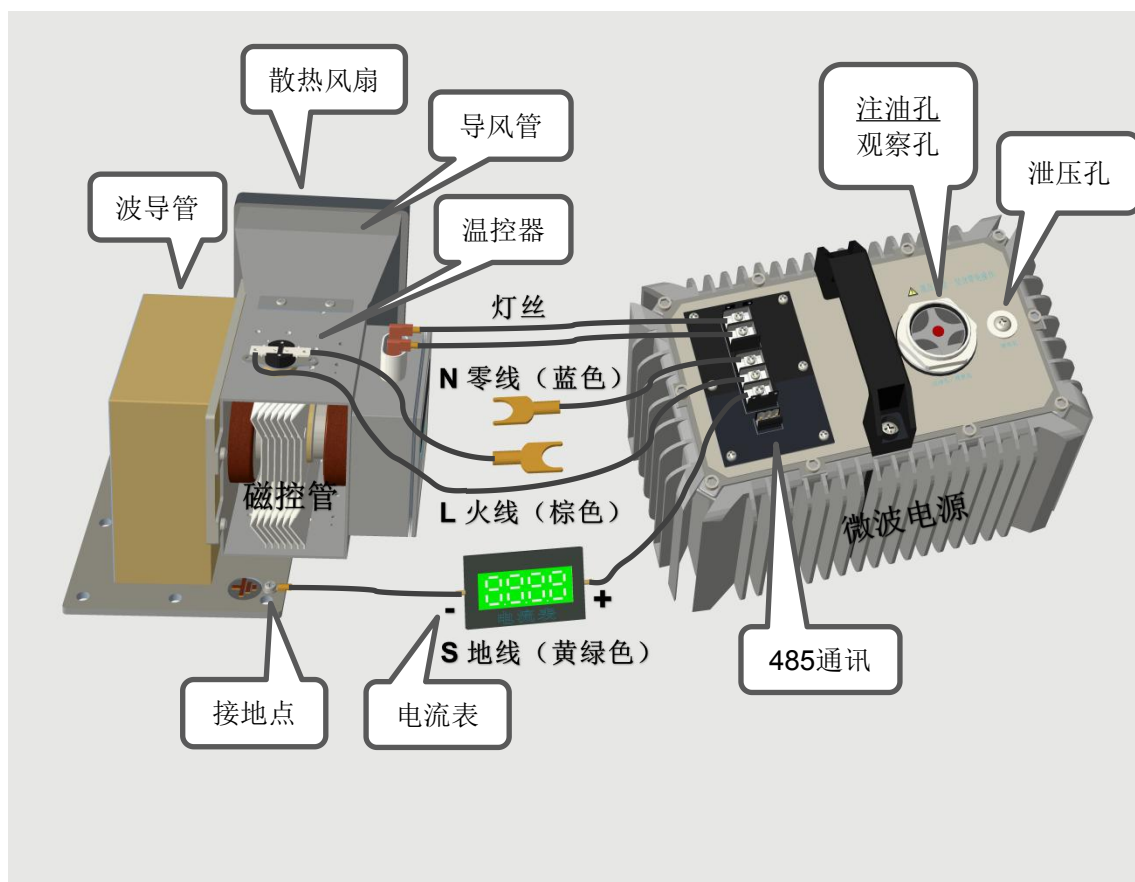
3.6kg

11. Dimension (物理尺寸)

单位: mm



12. Wiring Diagram (接线图)



- 注：1. 如果不需要安装阳极电流检测表，可以省去并将S地线直接连接在磁控管外壳的接地点上。
2. 150° C 温控器串联在火线中，其金属探头需要紧贴磁控管散热片旁的外壳安装,如果不需要可以省去。