

承认书

SPECIFICATION FOR APPROVAL

AC/DC POWER ADAPTER/电源适配器

客 户:

CUSTOMER: H460

产品描述:

DESCRIPTION: Input:100-240Vac 50/60Hz Output: PD-65W

机种型号:

OUR MODEL NO: PD65U55

样品编号:

日期:

SAMPLE NO: H460PD65W. 4860

DATE: 2025-07-15

产品颜色: SAMPLE COLOR: Black ☒ White ☐

符合环保项: ROHS ☒ REACH ☒ PAHS ☒

APPROVAL SIGNATURE/客户确认		
核准/APPROVED BY	审核/CHECKED BY	检测/TESTED BY

Manufacturer/制造商			
业务/SALES	核准/APPROVED BY	审核/CHECKED BY	设计/DESIGNED BY
			罗慧

Shenzhen HuaLiSheng Electronics Co.,Ltd

地址: 深圳市宝安区新桥街道万丰社区万丰中路 221 号厂房 B 栋二层、三层

Add:2-3rd Floor,Building B,No.221 Wanfeng Middle Road,Shajing Street,Bao'an District,Shenzhen

Tel: 86-15814061058

Fax: 86-0755-23572669

版本目录/Rev. List			
版本/Rev.	日期/Date	描述/ Description	制订/Design
A1	2024-12-02	新版本	王大方
A2	2025-06-30	客户要求更改线长	罗慧

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1、描述/ DESCRIPTION:

本规格书适应于 PD65U55 型号的快充电源.

The purpose of the document is to specify the functional requirements of a PD65U55 Model of fast charging source.

2、输入特性/INPUT CHARACTERISTICS:

2. 1. 输入电压/Input Voltage:

额定电压/Rated Voltage:100~240Vac

调整范围/Variation Range:90-264Vac

2. 2. 输入频率/Input Frequency:

额定频率/ Rated Frequency: 50/60Hz.

调整频率/Variation Frequency:47-63Hz

2. 3. 输入电流/Input Current:

当输入交流电压为额定值的下限电压负载满载时, 最大输入交流电流 1.5 A.

1.5Amps max At any input voltage and rated, DC output rated load.

2. 4. 浪涌电流/Inrush Current:

当输出为额定负载, 环境温度为 25℃, 输入 240Vac 冷态起机时无损坏.

When the output of the rated load, the ambient temperature is 25℃, input from 240Vac cold machine without damage to.

2. 5. AC 漏电流/Ac Leakage Current:

当输入电压 240Vac 时, 最大漏电流为 0.25mA.

0.25mA Max. At240Vac input.

3、输出特性/OUTPUT CHARACTERISTICS

参数 parameter	输出电压档位 Output voltage gear	输出电流 Output current	输出电压范围 Output voltage range	过流保护 Overcurrent protection	测试模式 Test Mode
TYPE-C	V:5V	0-3.0A	4.75-5.25V	3.1A-4.0A	CC
	V:9V	0-3.0A	8.55-9.45V	3.1A-4.0A	CC
	V:12V	0-3.0A	11.4-12.6V	3.1A-4.0A	CC
	V:15V	0-3.0A	14.25-15.75V	3.1A-4.0A	CC
	V:20V	0-3.25A	19.0-21.0V	3.25A-3.7A	CC
	PPS:3.0V-21.0V=3.0A				

3.3. 纹波和噪音 Ripple and Noise

测试条件:在输入 115/230Vac 和输出最小及最大负载时,使用示波器带宽为 20MHz 连接到适配器的输出端,同时输出端并联一个 10uf 的电解电容和一个 0.1uF 的瓷片电容.
At 115/230Vac input and output Min and Max.Load,the ripple and noise are as follows when measure with Max.Bandwidth of 20MHz and Parallel 47uF/0.1uF,crossed connected at testing point.

电压 Voltage	最大纹波/最大噪音 Ripple and Noise(Max)
5V 9V 12V 15V 20V	150mVp-p

3.4. 启动延迟时间/Turn on delay time:

当输入 115Vac 和输出最大负载时,最大启动时间为 3S.
3Seconds Max.at 115Vac input and output Max.load.

3.5. 上升时间/Rise time:

当输入 115Vac 和输出最大负载时最大时间为 40 mS.
40 mS Max.at 115Vac input and output Max load.

3.6. 保持时间/Hold up time:

当输入 115Vac 和输出最大负载时,最小保持时间为 5 mS .
5 mS Min.at 115Vac input and output Max.Load.

3.7. 效率/Efficiency:

当 115/230Vac 输入电压时, 1/4, 1/2, 3/4 和满载计算平均效率, 最小 88% (20V 3.25A TYPE-C 口端)
88%Min(20V 3.25A TYPE-C port), At 115/230Vac input voltage,1/4, 1/2, 3/4 and full load calculation average efficiency.
适配器满足能效 ERP、CEC、DOE、VI 要求。
Adapter meet efficiency lever ERP、CEC、DOE、VI。

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- 3.8. 过冲/Overshoot:
在电源开启或关闭的时候, 最大 15%.
15% Max. When power supply at turn off/on.

4、保护功能/PROTECTION FUNCTION:

- 4.1. 短路测试/Short circuit test:
该电源供给器在短路解除时能正常工作恢复.
The power supply will be auto recovered when short circuit faults remove.
- 4.2. 过流保护/Over current Protection:
过流故障排除后, 电源将自动恢复正常工作.
The power supply will be auto recovered when over current faults remove.
- 4.3. 过压保护/Over Voltage Protection:
当输出电压超过额定电压的 150%~180%时, 电源将保护, 故障排除后能恢复正常工作.
The power supply will auto recovered when faults remove 150%~180%.

5、环境要求/ENVIRONMENTAL REQUIREMET:

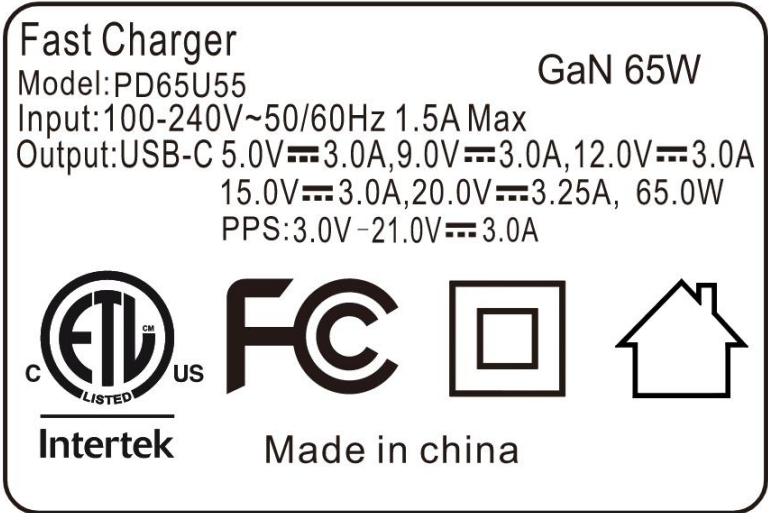
- 5.1. 工作温度/Operating Temperature:
-20℃-25℃, 满载, 正常工作.
-20℃to 25℃ ,Full load, Normal operation.
- 5.2. 储藏温度/Storage Temperature:-20℃ to 80℃
带外壳/With package
- 5.3. 工作湿度/Relative Humidity:
5%(0℃)~90%(40℃), 72 小时, 满载, 正常工作.
5%(0℃)~90%(40℃)RH, 72Hrs, Full load, Normal operating.

5.4. 振动/Vibration:

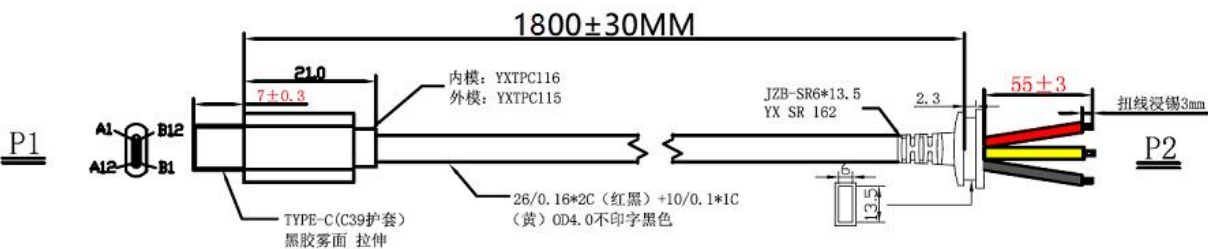
- 测试标准:国际电工电子委员会
Operating: IEC 721-3-3 3M3
5~9Hz, A=1.5mm
加速度 (9~200Hz, Acceleration 5m/S2)
- 运输/Transportation:
IEC 721-3-2 2M2
5-9Hz, A=3.5mm
9~200Hz, 加速度 Acceleration=5m/S2
200~500Hz, 加速度 Acceleration=15m/S2

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3. 轴向振动/Axes, 10 cycles per axis. 在测试过程中不能出现永久性的损坏. No permanent damage may occur during testing. 在电源开启和关闭后, 样机能够恢复到最初条件. The SAMPLE has to restore to its original situation after power off/on.. 5.5. 跌落试验/Dropping Packed: 试验跌落高度为 1000mm, 测试台面为水泥地, 跌 6 个面 每个面跌落 1 次 The test drop height is 1000mm, test table is a concrete floor, and 6 surfaces are dropped once on each surface. 6、安全及 EMI 要求/SAFETY AND EMI REQUIREMENT: 6.1. 安全/ Safety:符合标准 / accord with ■ IEC 62368-1 ■ Part 15 6.2. 高压/DIELECTRIC STRENGTH Hi-Pot: 初级对次级/Primary to secondary: 3000Vac/10mA/60S or 4242Vdc/5mA/60S for type test. 6.3. 绝缘抗阻/ Iusulation resistance: 初级对次级/Primary to secondary:20MΩmin at 500V DC. 6.4. 安全、电磁兼容标准 Safety and EMC Approval Meets the Limits of/测试符合 ■ FCC ■ ETL	

7、铭牌附图/LABEL



8、线材附图/WIRE DRAWING



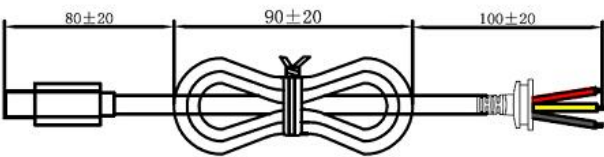
焊接示意图



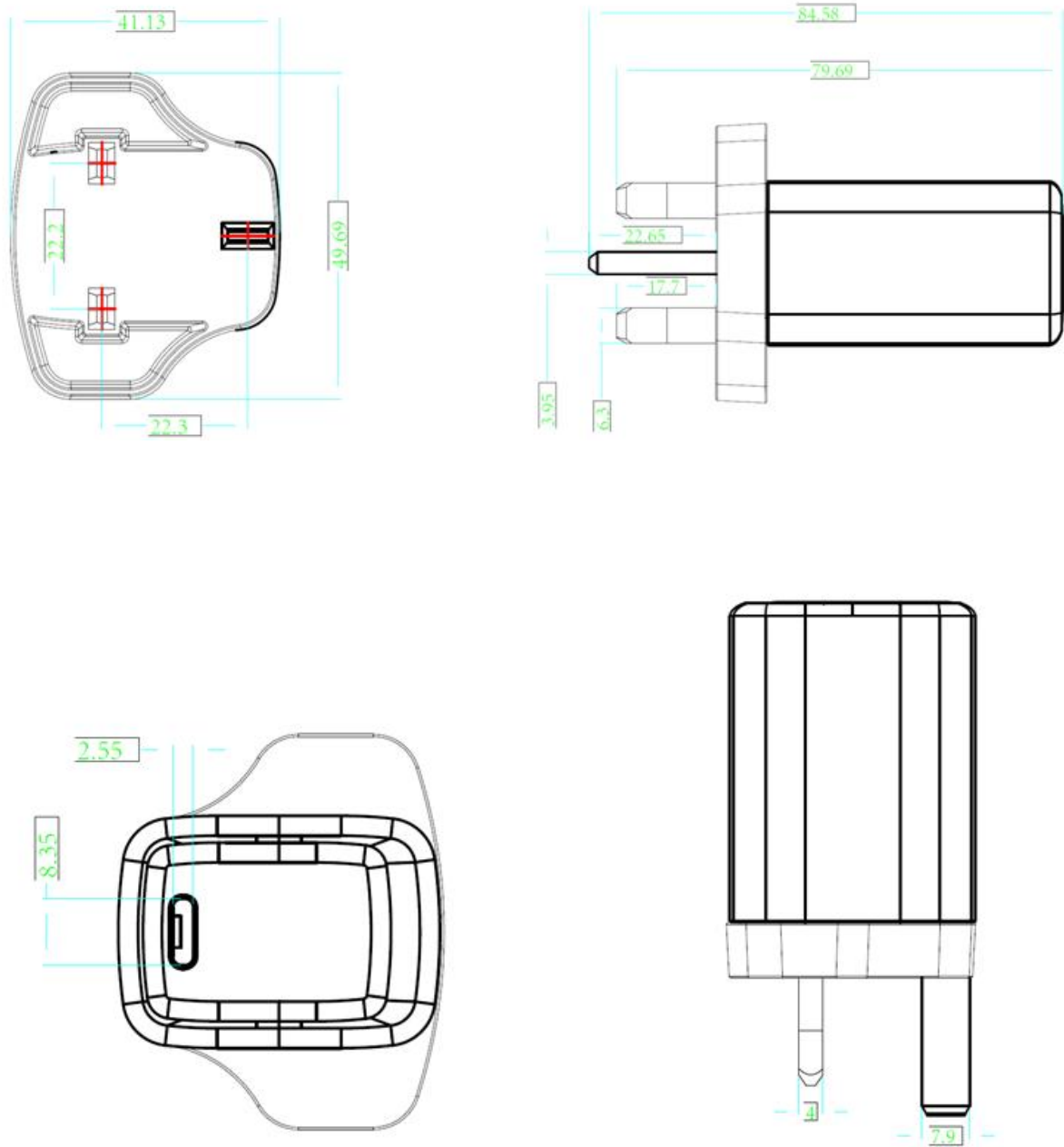
接线表

P1	颜色	P2
V	红色	扭线浸锡
CC	黄色	扭线浸锡
G	黑色	扭线浸锡

扎线图示

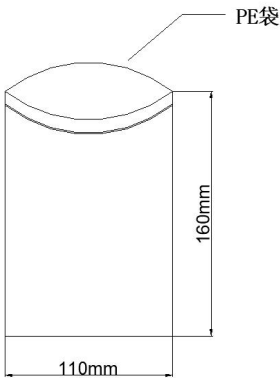


9、产品尺寸/ PRODUCT SIZE

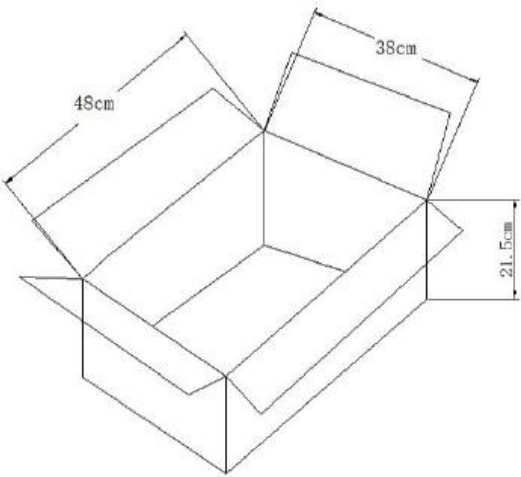


10、包装说明： // packing instruction:

(1) PE 袋尺寸图/ PE bag size drawing



(2) 外箱尺寸图/ Carton size drawing



包装说明:

- 一、 将每 PCS 产品装入 PE 袋中包好, 再将包好的产品放入纸箱中, 每层装 60PCS, 共装 3 层, 每箱装 180PCS
- 二. 包装材料使用说明:
 - 1. PE 袋的用量: 180 PCS
 - 2. 平卡的用量: 5 PCS
 - 3. PE 袋尺寸: 160*110*0.035mm
 - 4. 平卡尺寸: 465*365mm
 - 5. 纸箱的尺寸: 480*380*215mm
 - 6. 注: 平卡材质为 B4B, 纸箱材质为 K-A
 - 7. 注: 装箱数量为目测, 实际以大货装箱为准。