

Product Specification for Approval

产品承认书

WE ARE PLEASED IN SUBMITTING OUR SAMPLES WITH SPECIFICATION TO YOU FOR APPROVAL.

很荣幸提供我们的样品规格给您承认。

CUSTOMER 客户: _____

DESCRIPTION 描述: 65W PD 中规充电器 (蓝牙版)

MODEL NO. 铭普型号: MCCS-20032565P3

MNC P/N 铭普料号: _____

REVISION 版本: A0

CUSTOMER P/N 客户料号: _____

ISSUED DATE 发行日期: _____

MADE IN 制造产地: CHINA

| APPROVED BY MNC | | |
|-----------------|--------|---------|
| 铭普核准 | | |
| PREPARE | CHECKE | APPROVE |
| 拟制 | 审核 | 批准 |
| | | |

| APPROVED BY CUSTOMER |
|----------------------|
| 客户核准 |
| SIGNATURE OR STAMP |
| 签字或盖章 |
| |

1. PLEASE SEND BACK US A COPY OF THE SPECIFICATION WITH YOUR STAMP OR SIGNATURE ONCE THE SAMPLES APPROVED.

承认样品后请回传给我们一份盖章或签字的规格书。

2. IT WILL BE DEEMED THE SAMPLES TO BE APPROVED IF NO FEEDBACK.

如无反馈将默认为样品已被承认。

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1、 SUMMARY 产品概述

1.1 Description 类型

- Adapter-Wall Mount 插墙式适配器
- LED Driver LED 电源
- Charger 充电器
- Adapter-Desk-Top 桌面式适配器
- Open Frame 裸板
- Others 其他

1.2 HS MANAGEMENT REQUIREMENTS 有害物质管理要求

- Comply with RoHS directive and other hazardous substances laws and regulations.
符合 RoHS 指令及其它有害物质法律法规要求。

1.4 KEY FEATURES 主要特点

The Bluetooth intelligent module of the product has the function of charging management, which can allocate power to charging port A/B (the recommended scheme has been preset), and realize the setting of full power off and full reminder functions. Charger power indicator can also be on/off, and brightness management. The charging time can be set for the charging port A/B. After setting, the power will be cut off automatically when the countdown is completed. The product has small size, rich interfaces (2C), complete charging protocols, supports QC4 + /PD3.0/QC3.0/QC2.0/SCP/FCP/AFC/PE+, etc.

产品的蓝牙智能模块具有充电管理的功能，可针对充电口 A/B 进行功率分配（已预设推荐方案），并且实现充满断电、充满提醒功能设置。还可对充电器电源指示灯进行开启/关闭，与亮度管理。可针对充电口 A/B 进行充电时间设置，设置完成后，倒计时完成则自动进行断电处理。产品具有体积小，接口丰富（2C），充电协议齐全，支持 QC4+/PD3.0/QC3.0/QC2.0/SCP/FCP/AFC/PE+等。

2、 INPUT CHARACTERISTICS 输入特性

| Item 项目 | Units 单位 | Minimum 最小 | Normal 额定值 | Maximum 最大 | Remark 备注 |
|-------------------------|-------------|---------------|---------------|---------------|----------------------------|
| Input voltage 输入电压 | Vac | 90 | 100-240 | 264 | - |
| Input Frequency 输入频率 | Hz | 47 | 50-60 | 63 | - |
| Input Current 输入电流 | A | - | - | 1.5 | at 100Vac/60Hz~240Vac/50Hz |

3、 OUTPUT CHARACTERISTICS 输出特性

3.1 Output voltage and current 输出电压与电流

| Rated output voltage 额定输出电压 (V) | Rated output current 额定输出电流(A) | Output voltage range 输出电压范围(V) | Ripple & Noise 纹波噪声(mVpp) | Remark |
|---------------------------------------|-----------------------------------|-----------------------------------|------------------------------|--------|
| | | | | |

| | | | | |
|----------|--------|------------------------|-----|---------------------|
| +5V | 3.0A | +4.9 ~ +5.3 (板端) | 150 | Type-C1& Type-C2 |
| +9V | 3.0A | +8.55 ~ +9.45 (板端) | 150 | |
| +12V | 3.0A | +11.4 ~ +12.6 (板端) | 200 | |
| +15V | 3.0A | +14.25 ~ +15.75 (板端) | 200 | |
| +20V | 3.25A | +19 ~ +21 (板端) | 200 | |
| PPS 输出电压 | 0~3.0A | +3.3 ~ +21 (板端) | / | |

Ripple & Noise: Measurement is done by 20MHz bandwidth oscilloscope and the output paralleled a 0.1uF ceramic capacitor and a 10uF aluminum electrolytic capacitor. (test condition: 25°C, rated input and rated output)

纹波噪声: 量测时示波器选用 20MHz 带宽限制, 输出端并联 0.1uF 陶瓷电容与 10uF 铝电解电容。(测试条件: 环境温度 25°C, 额定输入和额定输出)

3.2 Output power 输出功率

| | |
|------------------|-----------------------------|
| Item/项目 | Maximum output power/最大输出功率 |
| Type-C1+ Type-C2 | 65W |

3.3 Turn on delay time 开机延迟时间

3 S max. @115Vac input & rated load.

开机延迟时间小于 3 S @115Vac & 额定负载。

3.4 Efficiency 电源效率

| Efficiency 能效 | | DOE | | ERP | | Remark 备注 |
|-----------------------------------|------|-----|-------|-----|----|--|
| | | V | VI | V | VI | |
| Output voltage 输出电压(V) | 20 | - | 20 | - | - | Burn-in 30 minutes &115Vac/ 60Hz,230 Vac/50Hz |
| Output current 输出电流(A) | 3.25 | - | 3.25 | - | - | |
| Output power 输出功率(W) | 65 | - | 65 | - | - | |
| Efficiency 电源效率(%) | | - | 88.00 | - | - | |
| 10% Load Efficiency 10% 负载电源效率(%) | | - | - | - | - | |
| No-load power consumption 空载功耗(W) | | - | 0.3 | - | - | |

3.5 Over Current Protection 过流保护

| Rated output voltage 额定输出电压(V) | Rated output current 额定输出电流(A) | Over Current Protection 过流保护 (A) | Remark 备注 |
|--------------------------------|--------------------------------|----------------------------------|-----------|
| +5 | 3 | 3.1~3.9 | Type-C1& |
| +9 | 3 | 3.1~3.9 | |
| +12 | 3 | 3.1~3.9 | |

| | | | |
|-----|------|---------|---------|
| +15 | 3 | 3.1~3.9 | Type-C2 |
| +20 | 3.25 | 3.4~4.2 | |

3.6 Over temperature Protection 过温保护

Over temperature, power supply protection;After the ambient temperature is lowered, the power supply automatically recovers.

过温时，电源保护；降低环境温度后，电源可以自动恢复工作。

3.7 Short Circuit Protection 短路保护

When the output short circuit, power protection;When the short circuit is removed, the power supply can be automatically restored to work.

当输出短路后，电源保护；当短路移除后，电源可以自动恢复工作。

4、 ELECTRO MAGNETIC COMPATIBILITY 电磁兼容

4.1 Radiated Emission 电磁辐射干扰

Test criteria(测试标准): EN55032/FCC Part 15, GB/T 9254.1 Class B

4.2 Conducted Emission 电磁传导干扰

Test criteria(测试标准): EN55032/FCC Part 15, GB/T 9254.1 Class B

4.3 Electrostatic Discharge(ESD) 静电抗扰

EN 55035; 2017; IEC 61000-4-2:2008

Air Discharge(空气放电): ±8 KV

Contact Discharge(接触放电): ±6 KV

Performance Criteria(性能标准) B

4.4 Lightning Surge Attachment 雷击抗扰

EN 55035; 2017; IEC 61000-4-5:2005

Differential mode standard(差模标准): ±1.0 KV

Common mode standard(共模标准): ±2.0 KV

Performance Criteria(性能标准) B

5、 SAFETY STANDARD 安规标准

5.1 Safety 安规

| Item 安规 | Country 国家 | Standard 标准 | Certified Status 状况 |
|---------|------------|-------------|---------------------|
| CCC | China 中国 | GB4943 | Meet |

5.2 HI-POT 耐压

Primary-to-Secondary: 3000Vac for 60 seconds, the leakage current 10 mA max.

9、LABEL 铭牌

氮化镓快充充电器（蓝牙版）

型号：MCCS-20032565P3

输入：100-240V~，50/60Hz，1.5A

Type-C1输出：3.3V-21V=3A或5V=3A或9V=3A
或12V=3A或15V=3A或20V=3.25A

Type-C2输出：3.3V-21V=3A或5V=3A或9V=3A
或12V=3A或15V=3A或20V=3.25A

Type-C1 +Type-C2输出: 63W Max

CMIIT ID: 2022DP0751

PN: TYA65P3-CA-01 RYYWWX

仅适用于非热带气候条件下安全使用

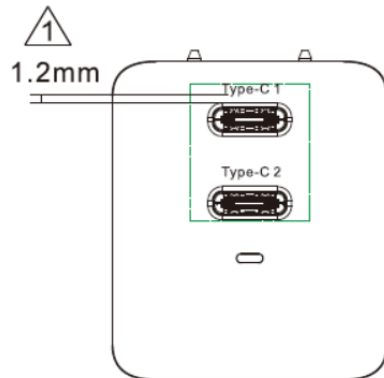
东莞铭普光磁股份有限公司制造



中国制造



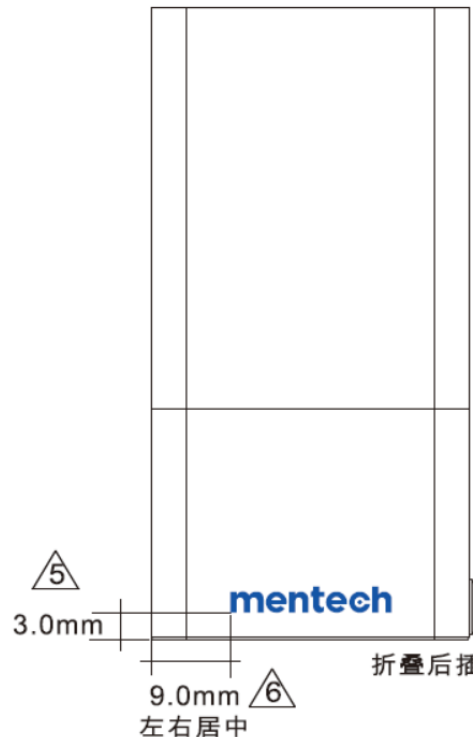
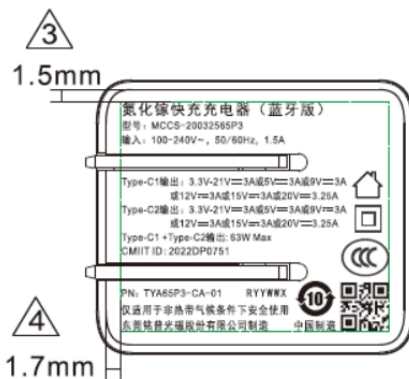
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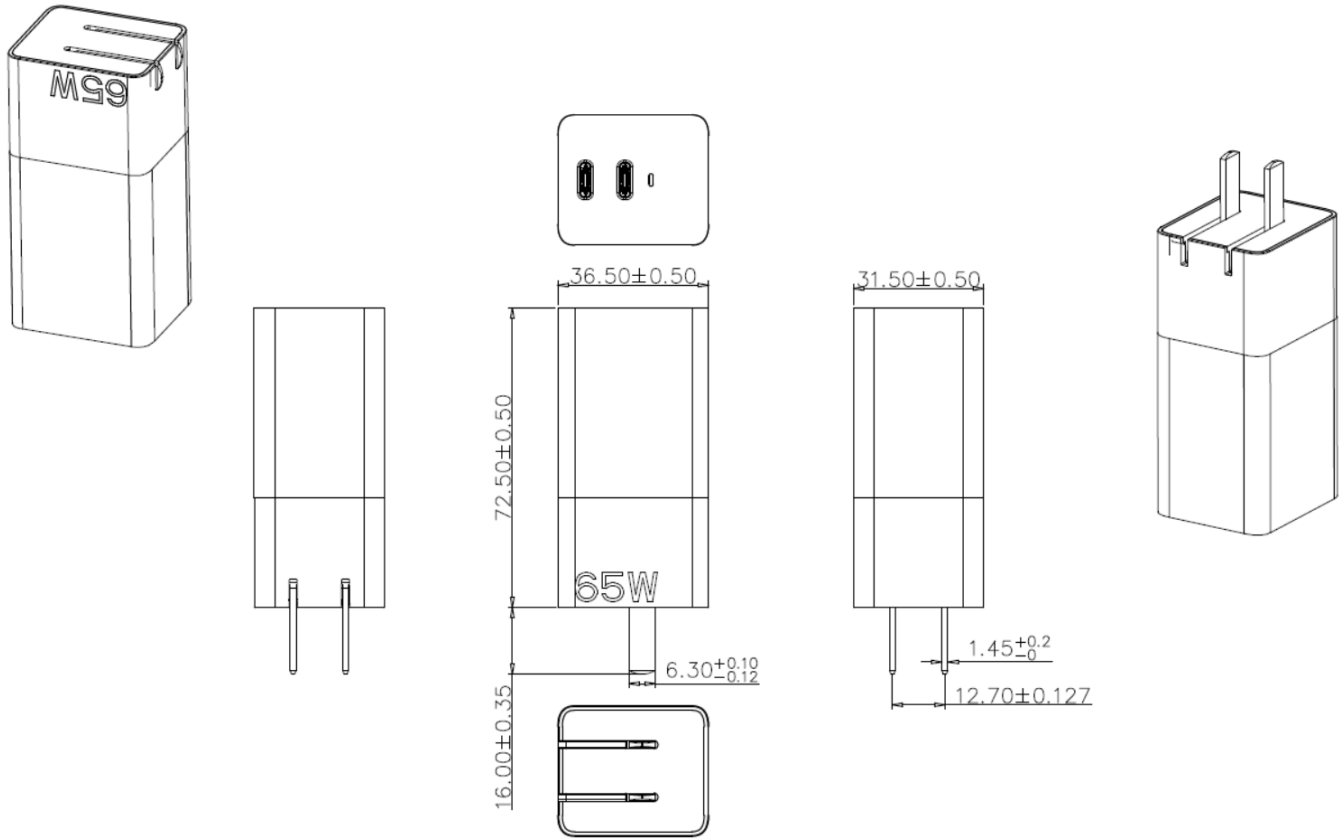
TYPE-C1/2左右居中



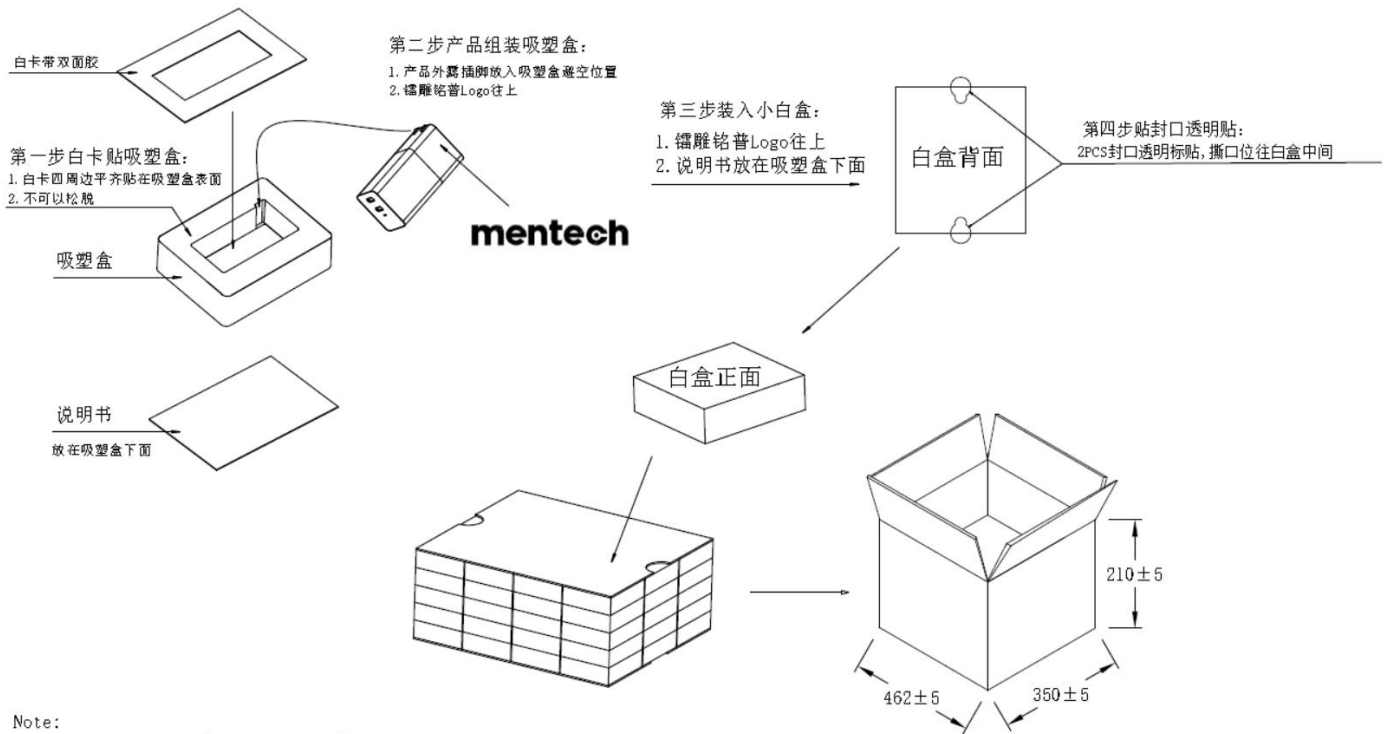
SCALE 2:1



10、 TRUCTURE AND DIMENSION 结构尺寸规格



11、PACKAGE 包装方式



Note:

1. 80PCS per case, 5 layers in total.
2. Place two partitions on each side.
3. Product packaging: Inner tray + color box + clapboard.

注:

1. 每箱80PCS, 共5层.
2. 上下各放一张隔板, 共2张.
3. 产品包装: 内托+彩盒+隔板.