

机柜式共享充电宝规格书

Cabinet Shared charging kit specification

名称/ Name: 带屏共享充电机柜
SOLIS GO Kiosk

型号/ Model: CYD-008S\ CYD-012S\ CYD-016S

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The corresponding product in this specification is CYD-008S\012S\016S cabinet type Shared charging treasure.

Due to product version upgrade or other reasons, the contents of this specification will be updated as necessary without prior notice.

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1 概述 Summarize

本规格书适用于本公司生产的 CYD-008S\012S\016S 机柜共享充电宝产品上，本产品可通过物联网连接后台服务器，通过后台实现充电宝付费租借功能，本产品可提供支持苹果、Micro、Type-C 此三种标准接口的手机、平板等通讯设备充电，及其他采用此三种标准接口的 5V 输入的电子产品充电。

This specification applies to the company produced CYD-008S\012S\016S cabinet Shared charging treasure products, this product can be connected through the Internet of backend server, through the background charging treasure to pay loan function, this product can support apple, Micro, Type - C this three standard interface of mobile phone, tablet and other communication devices, and other USES of the three kinds of standard interface 5 v input of charging electronic products.



2 执行标准 Executive standard

- 机柜执行标准：GB 4943.1-2011 《信息技术的设备安全第一部分：通用要求》
- Cabinet implementation standard: GB 4943.1-2011 equipment security in information technology part I: general requirements
- 充电宝执行标准：GB/T 35590-2017 《信息技术 便携式数字设备用移动电源通用规范》
- Implementation standard of charging battery: GB/T 35590-2017 general specification for mobile power supply for information technology portable digital devices
- 电芯执行标准：GB 31241-2014 《便携式电子产品用锂离子电池和电池组安全要求》
- Safety requirements for lithium ion batteries and battery packs for portable electronic products
- 电源线执行标准：GB5023-1997 《额定电压450/750及以下聚氯乙烯绝缘电缆》
- Gb5023-1997 polyvinyl chloride insulated cables with rated voltage up to and including 450/750
- GSM/GPRS/EDGE 4G通信协议communication protocol

3 产品主要组件 Main components

- CYD-008S\012S\016S(SOLIS GO Kiosk) 共享充电机柜 Shared charging cabinet.....1pc
- SGO24 充电宝 power bank.....8\12\16pcs
- 4G 流量卡（含1年30M每月4G网络流量）4G traffic card (including domestic 30M monthly 4G network traffic for 1 year) 1pc
- 电源线 Power cord.....1pc
- 适配器 CYD-008S:DC 12V-5.0A (MAX) , CYD-012S\16S:DC 12V-10.0A (MAX) Adapter CYD-008S:DC 12V-5.0A (MAX) ,CYD-012S\16S:DC 12V-10.0A (MAX)1pc

4 机柜基本参数 Cabinet basic parameters

- 电源输入 mains input: AC 220V ~ 50/60Hz 1.3A
- 电源总输出 Total power output: CYD-008S:DC 12V-5.0A (MAX), CYD-012S\16S:DC 12V-10.0A (MAX)
- 单口电源输出 Single power output: DC 5V-2.0A (MAX)
- USB 口输出 USB output: DC5V-2.0A (MAX)
- 广告屏 10.1 寸 Advertising Screen 10.1 inches DC12V-0.3A (MAX)
- 电源线长度 Length of power cord: 1.2m
- 网络支持 network support: 4G network
- 工作环境温度 operating ambient temperature: 0~50° C
- 工作环境湿度 Working environment humidity: 25~75%
- 电源保护 Power protection: 过流保护、过压保护、短路保护 overcurrent protection, overvoltage protection, short circuit protection

5 充电宝基本参数 Basic parameters of the charger

- 充电输入 Charging input: DC 5V-2.0A (MAX)
- 端子触针充电输入 Terminal stylus charging input: DC 5V-2.0A (MAX)
- 输出 output (IOS、Type-C) : DC 5V-1.0A (MAX)
- 电芯规格 Batteries specifications: 8000mAh
- 能量转换效率: 80% Energy conversion efficiency: 80%
- 电芯循环寿命: 300 次循环容量不低于 85% Cell cycle life: no less than 85% for 300 cycles
- 0%-100%充电时间 Charging time: 4.5-5 小时 4.5-5 hours
- 保护板保护功能: 过温保护、过充保护、过放保护、过流保护、过压保护、短路保护。Protective functions of protection plate: over temperature protection, over charge protection, over discharge protection, over current protection, over voltage protection, short circuit protection.
- 启动输出: 将对应接口插入适配手机, 开启按键, 即可启动输出。Boot output: insert the corresponding interface into the adaptor phone, open the button, and start the output.

- 电量指示：低于 30%：粉红色灯闪，30%-60%：蓝色灯闪，60%-100%：绿色灯闪；Power indicator: less than 30%： pink light flash, 30% -60% : blue light flash, 60% -100%: green light flash.

6 电芯安全性能 Cell safety performance

项目 project	测试条件 Test article	性能要求 performance requirement
碰撞测试 intersection detection	将标准充电后的电芯固定在振动台上，沿 X、Y、Z 三个方向各振动 30 分钟，振幅 1.6mm，振动频率为 10Hz~55Hz，每分钟变化 1Hz。The standard charging cell is fixed on the shaking table and vibrates for 30 minutes along the directions of X, Y and Z. The amplitude is 1.6mm, and the vibration frequency is 10Hz~55Hz, with a change of 1Hz per minute.	电池外观应无明显的损伤，不能破裂、漏液、冒烟或爆炸。The appearance of the battery shall be free from obvious damage and shall not break, leak, smoke or explode.
自由跌落 Free fall	按规定充电结束后，搁置 0.5h~1h，将移动电源样品由高度（最低点高度）为 1000mm 的位置自由跌落体于混凝土板上，从 X、Y、Z 正负方向（六个方向）每个方向各自自由跌落 1 次。试验结束后，试验结束后，测量输出电压及进行最后检测。自由跌落试验过程中应不爆炸、不泄气、不起火、不漏液，或破裂引起安全危险。试验后移动电源按照说明书规定的各项功能应能正常工作，测量输出电压应在 $U_{out} \pm 5\%$ 偏差范围内。After the charging is finished according to the regulation, the sample of mobile power is put on hold for 0.5h ~ 1h, and it falls freely on the concrete slab from the height (the lowest height) of 1000mm, and falls one time from X, Y, Z positive and negative directions (six directions).After the test, measure the output voltage and make the final test.During the free fall test, there shall be no	电池应不漏液、冒烟、起火或爆炸。Batteries should not leak, smoke, catch fire or explode.

	explosion, no deflation, no fire, no leakage, or rupture causing safety hazard. After the test, the mobile power supply shall work normally according to the functions specified in the manual, and the measured output voltage shall be within the range of $U_{out} \pm 5\%$ deviation.	
恒温恒湿性能 Constant temperature and humidity properties	电池满充电后，将电池放入 $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 、相对湿度为 90%-95% 的恒温恒湿箱中，搁置 48h，实验结束后，将电池放在环境温度为 $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$ 的条件下搁置 2h，目测电池外观。以 1C 的恒流放电至终止电压 2.75V。After the battery was fully charged, the battery was put into a constant temperature and humidity box with $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and a relative humidity of 90%-95%, and then set aside for 48h. After the experiment, the battery was set aside for 2h at an ambient temperature of $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$ to visually test the battery appearance. A constant discharge of 1C is applied to the termination voltage of 2.75v.	电池外观应无明显的变形、锈蚀、冒烟或爆炸，电池放电时间 $\geq 45\text{min}$ The appearance of the battery shall be free from obvious deformation, corrosion, smoke or explosion, and the battery discharge time shall be $\geq 45\text{min}$
低温性能 cryogenic property	电池满充电后，将电池放入 $-10^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 的低温箱中恒温 16h-24h 后，以 0.2C 电流放电至终止电压 2.75V。实验结束后，将电池放在环境温度为 $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$ 的条件下搁置 2h，目测电池外观。After the battery is fully charged, the battery is put into a low-temperature box with a constant temperature of $-10^{\circ}\text{C} \pm 2^{\circ}\text{C}$ for 16h-24h and discharged at 0.2c current to the termination voltage of 2.75v. After the experiment, the battery was put in the environment temperature of $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$ for 2h, and the appearance of the battery was visually tested.	电池外观应无变形、冒烟或爆炸，电池放电时间 $> 45\text{min}$ The appearance of the battery shall be free from deformation, smoke or explosion, and the battery discharge time shall be $> 45\text{min}$
材料阻燃 Flame retardant materials	移动电源的外壳、印制板和绝缘材料应 GB4943.1-2011 或其替代标准或 GB 31241 中对应的试验方法进行。移动电源的外壳、印制板和绝缘材料的阻燃等级应不低于 V-1 级的阻燃要求 The housing, printed board and insulating material of the mobile power supply shall be carried out in accordance	依据标准 GB 4943.1-2011 试验火焰第二次施加后，烟屁股燃烧时间不超过 60s After the second application of the flame according to the

	with gb4943.1-2011 or its substitute standard or the corresponding test method in GB 31241.The flame retardant grade of the housing, printed board and insulating material of the portable power supply shall not be lower than the v-1 level flame retardant requirement	standard GB 4943.1-2011, the burning time of the cigarette butt shall not exceed 60s
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7 测试环境条件 Test environment conditions

除非另有规定，本规格书中各项试验应在试验的标准大气条件下进行。温度：23℃±2℃的环境温度下。相对湿度：45%~75%。大气压力：86 kPA~106 kPA。Unless otherwise specified, the tests in this specification shall be carried out under standard atmospheric conditions. Temperature: 23℃±2℃ ambient temperature. Relative humidity: 45%~75%. Atmospheric pressure: 86 kPA~106 kPA.

8 测量仪器与测试要求 Measuring instruments and testing requirements

电压表精度应不低于 0.5 级，内阻应不小于 10KΩ/V。测量电流的仪表精度应不低于 0.5 级。

恒流负载在被测电源电压范围内恒定电流可调，其电流相对误差为 0.1%。Voltage meter accuracy should be not less than 0.5 on the Richter scale, Ω resistance shall be not less than 10 k/V. The instrument accuracy of measuring current shall not be lower than 0.5 level. The constant current load is adjustable with constant current within the voltage range of the power supply under test, and its current relative error is 0.1%.

9 成品尺寸及图片 Finished dimensions and pictures

机柜尺寸示意图 Schematic diagram of cabinet dimensions:



电宝尺寸示意图 Schematic diagram of dianbao size:



10 装箱资料 packing information

- 机柜净重 Cabinet net weight: CYD-008S:3.90kg\ CYD-012S:4.55kg\ CYD-016S:5.73kg
- 充电宝净重 Charge treasure net weight: 0.180kg
- 外箱尺寸 carton size: 290*250*500mm\290*250*600mm\290*250*700mm
- 装箱示意图 Packing diagram:



11 保修期限及产品责任/ Warranty period and product liability

- 保修期是从出厂日期开始起计算,机柜保修期十二个月,充电宝保修期六个月。The warranty period is calculated from the date of delivery. The warranty period of the cabinet is 12 months, and the warranty period of the charger is 6 months.
- 深圳华信威科技有限公司对因没有按本规格书规定操作而导致的意外不负责任,在保修期内维修或者更换配件时将会收取材料工本费。Shenzhen Huaxinwei technology co., LTD. Shall not be responsible for any accident caused by failure to operate in accordance with this specification.

12 注意事项/Matters need attention

- (1) 勿将电池反极充电/Reverse charging is not acceptable.
- (2) 避免以高于指定的电流充放电/Do not charge/discharge with more than our specified current.
- (3) 防止电池短路,以免造成可能的损坏/Do not short circuit the cell/battery Permanent damage to the cell/battery may result.
- (4) 勿拆解或焚烧电池/Do not incinerate or mutilate the cell/battery.
- (5) 勿在电池上直接焊接/Do not solder directly to the cell/battery.
- (6) 如极端高温、深度循环、过量的过充、过放电,电池的使用寿命可能会下降/The life expectancy may be reduced if the cell/battery is subjected adverse conditions like: extreme temperature, deep cycling, excessive overcharge/ over-discharge.
- (7)勿将电池投入高温环境、液体、腐蚀性场所/ Do not put the battery into high temperature environment, liquid, corrosive places
- (8) 禁止人为拆解/ Manual disassembly is prohibited
- (9) 充电宝超过三个月未使用,请将充电宝插入机柜进行补电一次/ If the charger has not been used for more than three months, please insert the charger into the cabinet to recharge once

CE Warning

1. Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
2. The product shall only be connected to a USB interface of version USB2.0 or higher.
3. Adapter shall be installed near the equipment and shall be easily accessible.
4. The operating temperature of the device can't exceed 50°C and shouldn't be lower than 0°C.
5. The plug considered as disconnect device of adapter.

Hereby, Simo Holdings Inc. declares that this product is in compliance with essential requirements and other relevant provisions of Directive 2014/53/EU. This product is allowed to be used in all EU member states.

Frequency Band(s)

This device operates with the following frequency bands and maximum frequency power.

NOTE:

The product is compliant with these power limits required by the European Union. Frequency bands supported by the product vary by model.

EGSM900: 35dBm

DCS1800: 32dBm

WCDMA B1/B8: 25dBm

LTE Band 1/3/7/8/20/28/38/40: 25dBm

2.4G WIFI: <20dBm



FCC Warning

15.19 Labeling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

15.105 Information to the user.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

