

	ITEM	DATE	PAGE	REV.
	USB Charger	2024-07-15	1 of 3	01

SPECIFICATION

MODEL (机型): WPS0C10063-2

General

The document detail the electrical, mechanical and environmental specifications of a POWER, the power supply provide60W continuous output power. The power supply shall meet the RoHS requirement.

资料详细描述了一款 60W (连续输出功率)电源的电气性,结构性及环境等要求. 此款电源符合 RoHS 要求

Description/描述:

- ☐Wall Charge 直充
- ☒Car Charge 车充
- ☐Open Frame/开放式结构
- ☒Other/其它

1. ELECTRICAL CHARACTERISTICS(电气特性)

1-1. Input Voltage and Frequency(输入电压频率)

ITEM (项目)	Minimum (最小值)	Nominal (额定值)	Maximum (最大值)
Input Voltage(输入电压)	24 Vac	29Vac	32Vac

1-2. Input Current(输入电流) 2.5A(max)@29Vdc ,Output Full Load (输入电流: 在输入 29Vdc,输出为满载, 输入电流最大为 2.5A)

1-3. No load power consumption(无负载消耗功率):< 1W@29Vdc (输入 29Vdc 无负载消耗功率< 1W)

1-4. USB Output voltage and current(USB 输出电压和电流):

输出端口 Prot	Voltage Range (电压范围 V)		Current Range (电流范围 A)		
	Lower Limit (最低限值)	Upper Limit (最高限值)	Lower Limit (最低限值)	Upper Limit (最高限值)	Max Voltage (最高电压)
TYPE-C	4.75V	5.25V	0	3.0A	5.25V
	8.55V	9.45V	0	3.0A	9.45V
	11.4V	12.6V	0	2.5A	12.6V
	14.25V	15.75V	0	2.0A	15.75
	19V	21V	0	1.5A	21V
TYPE-A	4.75V	5.25V	0	3A	5.25V
	8.55V	9.45V	0	2A	9.45V
	11.4V	12.6V	0	1.5A	12.6V
	19V	21V	0	1.5A	21V

When two output ports are used simultaneously, share 5V4A
当 2 个输出口同时使用时, 共享 5V4A。

	ITEM	DATE	PAGE	REV.
	USB Charger	2024-07-15	2of 3	01

SPECIFICATION				
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<p>备注:</p> <p>PD30W is a fast charging device that complies with the PD30W (3.0) protocol. When the recognition terminal product complies with the PD30W (3.0) protocol, the USB-C port recognition chip works and automatically adjusts the output voltage, which is 5V, 9V, 12V, 15V, 20V. Current: 3A at 5V; At 9V: 3.0A; At 12V: 2.5A; At 15V: 2.0A; At 20V: 1.5A; USB-A port current: 3A at 5V; At 9V: 2A; At 12V: 1.5A; At 20V: 1.5A.</p> <p>PD30W 为快充, 符合 PD30W(3.0)协议, 当识别终端产品符合 PD30W(3.0)协议时, USB-C 端口识别芯片工作并自动调整输出电压, , 即: 5V,9V,12V,15V,20V。电流: 5V 时为:3A; 9V 时为:3.0A; 12V 时为:2.5A; 15V 时为:2.0A;20V 时为:1.5A;USB-A 端口电流: 5V 时为:3A; 9V 时为:2A; 12V 时为:1.5A; 20V 时为:1.5A.</p> <p>1-5. Wireless output power(无线输出功率): 兼容 QI BPP (5W)/EPP(15W),支持三星快充(10W)/苹果快充(7.5W) Compatible with QI BPP (5W)/EPP(15W), support Samsung Fast charge (10W)/ Apple Fast charge (7.5W)</p> <p>1-6. USB CABLE output power(USB 线输出功率): 5V 0.5A 2.5W.</p> <p>1-7. Full Load Efficiency(满载效率): 80% (min) @ input 29Vdc Output full load(输入 29Vdc 输出满载效率最小 80%).</p> <p>1-8. Ripple and noise voltage(纹波和杂讯电压): less than 200mVp-p@input 29Vdc full load.</p> <p>The measuring terminated with a 10uF AL-capacitor and 0.1uF CC-capacitor. And measurement is done by 20MHz band-width.(不超过 200mV@输入 29Vdc , 输出满载.在测量时输出并一个 10uF 铝电解电容和 0.1uF 陶瓷电容, 测试时用 20MHz 带宽.)</p> <p>1-9. Safety test(安全测试): ESD 4KV</p> <p>1-10.Temperature rise(温升): Input 29Vdc Output with full load should not exceed 77°COn case surface @ ambient 25°C(输入 29Vdc 输出在满载, 环境温度 25°C, 在外壳表面温度不超过 77°C)</p> <p>1-11.Button Description(按键说明) After powering on, press once to push the motor outward. If you press again, it will pause. Press again to continue pushing until it stops at the top; Pressing it again will cause it to retract; If you press it again, it will pause. Press it again to continue shrinking until it reaches the origin and returns to the original state; Press once (greater than 3 seconds) when extrapolating or retracting the pause duration to directly return to the origin.</p>				

	ITEM	DATE	PAGE	REV.
	USB Charger	2024-07-15	3 of 3	01

SPECIFICATION

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通电后，按一下，马达外推，如果再按一下会暂停，再按一下继续外推一直到顶部停止；还再按一下会回缩；如果再按一下会暂停，还再按一下继续回缩一直到原点后，恢复到最开始状态；在外推暂停时或回缩暂停时长按一下（大于 3 秒）直接回到原点。

2.PROTECTION CHARACTERISTICS（保护特性）.

- 2-1. Over Power Protection(OCP)(过流保护):
USB A+TYPE C 4.8A Max Input24~32Vdc ambient 25℃;
TYPE C overcurrent point is 1.1-1.5 times the rated value;
USB A is in constant current mode with an overcurrent point of 3.3-3.9A;
USB CABLE overcurrent point is 1.1-1.5 times the rated value;
The wireless charging input is 9V 3A
- 2-2. Short Circuit Protection(SCP)(短路保护): The products can withstand continuous short at DC output and no danger. It will enter into normal condition if the fault condition is removed(这款产品能承受连续短路输出不会损坏.若故障移除，它将正常工作状态).
- 2-3.Wireless charging over temperature protection（无线充过温保护）: The temperature protection is set at 80 ℃ ± 5 ℃. If it exceeds this temperature, it will stop working. After the temperature returns to 45 ℃, it will resume working。温度保护在 80℃±5℃，超过此温度停止工作，等温度恢复到 45℃后恢复工作。
- 2-4.Foreign Object Protection(异物保护):The center position of the coil can detect foreign objects with a Ø of 25mm 线圈中心位置可以检测 Ø 为 25 mm的异物。

3.ENVIRONMENT(环境).

- 3-1. Operating temperature(工作温度): 0℃----+40℃
- 3-2. Operating humidity(工作湿度): 5%----90%R.H
- 3-3. Storage temperature(存储温度): -20℃----+85℃
- 3-4. Storage humidity(存储湿度): 0%----95%R.H

FCC Statement

1. 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.
(2)This device must accept any interference received, including interference that may cause undesired operation.

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

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.

The device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.