

## Indes

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一、Overviews

1、Product Image



2、Product introduction

This wireless charging base product is designed for wireless charging mobile phones, wireless charging watches, wireless charging headphones and other mobile digital products, is your entertainment, the best companion for travel; Exquisite appearance, comfortable feel. Intelligent motherboard, intelligent charging, plug and play; Perfectly compatible with 98% of wireless charging digital devices on the market.

### 3、Main Product Features

1, light plastic shell; fireproofing(94-V1)high temperature resistance;none conductivity; elegance appearance; smoothly touch;

2, intelligent multi-function chip, make it with output overvoltage, overload, FOD and other security functions.

3, Wireless charging out 15W power max

4, automatically charge, and wireless charging discharge conversion rate highly to

70% ~ 75%.

5, Blue LED display for standby mode and working.

6, Low power consumption: chip power consumption is less than 0.01W, the whole system of standby power consumption is less than or equal to 30mA, stable and reliable.

### 4、Basic Performance

#### a, Electronic performance standard

<b>Input voltage</b>	5V/9V
<b>Input current</b>	2000mAh±200mAh

Output voltage current	Wireless charging output: 5V/1A, 9V/1.1A, 9V/1.67A  5V/1A, 9V/1.1A, 9V/1.67A
self consumption	$\leq 30\text{mA}$
<b>Power Efficiency</b>	Wireless charging efficiency: 70% ~ 75%
Scope of application	Various brands of wireless charging mobile phones, wireless charging watches, wireless charging headphones
<b>b, reliability performance</b>	
Ambient temperature	-10°C~45°C
Temperature rise characteristic	Charging for phone, product surface temperature cannot over 55°C

**c、Environmental Condition**

NO.	Items	Performance measure	Unit
1	Operating temperature	-10—45	°C
2	Storage temperature	-20-65	°C
3	Relative humidity	20%—80%	RH
4	Heat-dissipating method	natural cooling	

**d、Lights indicator specification**

LED display and button function description **LED**

<b>Led display for power</b>	Button control	<b>This goods no button and led capacity display</b>
	stand by	Blue LED general bright
	Wireless charging	Blue LED high bright
	Wireless FOD	Blue LED twinkle

e、Basic Operation 3.1

join up operation

3.11 please use QC adapter or the output voltage 5V/9V, output current  $\geq 2A$ , relevant certification charger.

3.12 Open the charger power using charger, when the power is on then mobile is charging, and at the same time, the indicator light flashes.

3.13 when power bank is fully charged, please cut off USB charging cable or power supply as soon as possible, and please do not keep power input for product for a long time.

## 二、Environmental Suitability

number	Test items	Test conditions	Check items
1	high	under 65°C, 6 hours,	1、appereance

	temperature storage		2、 electrical performance  come back to normal condition, 2hours, normal work
2	Low temperature storage	-20°C±2°C 6hours -20°C±2°C, 6 小时	1、 apperance 2、 electrical performance  come back to normal condition, 2hours, normal work
3	high temperature working	Under 45°C±2°C, 2hours 45°C±2°C条件下, 2 小时	1、 output voltage for turn on/off  normal performance
4	low temperature working	Under -10°C±2°C 4hours	output voltage for turn on/off  normal performance
5	ESD static Discharge ESD	±4KV contact discharge 10 times; ± 8KV air discharge performance of each of the 10 products	normal performance
6	constant temperature and humidity	40 degrees C±2 °C , relative humidity 90%~95%, constant temperature and humidity for 48 hours	Remove to 23 °C ±2 °C environment test discharge capacity 2 hours later
7	cycle temperature	65°C±2°C for 6 hours to -20°C±2°C for 6 hours, 10 cycles, the conversion time ≤30 minutes	normal performance

### 三、Mechanical properties

number	Test items	Test conditions	Check items
1	vibration	Can withstand 5-500Hz random vibration in three perpendicular directions, of which the 5-10Hz frequency range of the acceleration spectral density is $10 \text{ m}^2/\text{s}^3$ , 10-200Hz frequency range of the acceleration spectral density is $3 \text{ m}^2/\text{s}^3$ 3200-500Hz frequency range of the acceleration spectral density is $1 \text{ m}^2/\text{s}^3$ , every 10 minutes.	1、 device appearance 2、 normal performance
2	fall	It can withstand a random drop of 1m in six perpendicular directions	3、 device appearance 4、 normal performance
3	Charging TYPE-C	NO	NO
4	Key lifetime	NO	NO
5	Environmental protection	Comply with ROHS requirements, UL certification	
6	FOD	YES	
7	Shell flame retardant, resistant hyperthermia	Fire resistance (94-V1) High temperature resistance	
8	Housing materials and Surface technology	ABS+PC、oil injection ABS+PC、	

	外壳材料及 表面工艺		
9	safety class 安全等级	The whole product conforms to the national standard GB31241	

FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user authority to operate the product. NOTE: This equipment has been tested and found to comply with the limits for a wireless power charger, pursuant to Part 18 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 on and off, 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.

#### 四、Notes

1, please do not place product into water or clear it with a wet cloth, to prevent leakage, short circuit or other fault;

2, Please do not throw short-circuit the product, throw self dismantling or product into the fire, otherwise it will cause the device on fire or burst, causing accidents;

3 Please do not place product in the sun or wet, rain environment for a long time, and use of such environments should try to avoid.

4 please use the charger which is meet input/output (from the legal manufacturers and the relevant certification), otherwise it will cause product damage , not charge or due to overload will cause smoke, fire etc.;

5 Please do not use product in a closed environment, to avoid product and mobile phone over hot, decrease product and mobile use time, causing damage, even dangerous smoke, fire etc.. If there is smell, hot, discoloration, deformation and other abnormal situations in using, please stop using immediately.

6 When goods is normal use is likely to make the local fever, is a normal phenomenon.

7 the data shown in this specification are all laboratory measured dates, the actual use will be slightly different according to the specific circumstances.

8 any of the conditions which is not involved in this specification does should be determined in consultation with customers and Hopepower technology Co. Ltd.