

Kaisi® 9208(22版) 电池激活、充电治具(智充版)

一、治具的功能与特点

治具功能:

- 1.采用进口智能芯片,实现快速充电;
- 2.具有休眠唤醒功能,按下激活键即可激活休眠中的电池,电池能够再次正常使用;
- 3.支持其他充电设备,避免长期占用电源表影响维修作业;
- 4.智能自动识别电池正负极,正负极接反不烧机,直接扣上即可使用
- 5.智能充电模式,符合锂电池充电过程;
- 6.全程智充,无需人工值守,充满立即停止充电,不必担心过充造成危险发生;
- 7.电池充满自动转灯,绿灯亮为真正充电,充满自动灭灯;
- 8.智能识别短路的电池,一旦短路,红色指示灯亮起同时断电;
- 9.本治具需要输入电压大于电池当前电压时才能正常工作,最大充电电流为2A;
- 10.设计先进、安全、充电速度快、电池电量可以充到100%、具有精确的短路判断能力为你筛选各种不良电池 大大节省您的宝贵时间。

治具特点:

- 1.既可支持苹果手机5G、5S、6G、SE/6P/6S/6SP、7G/7P、8G/8P/X/XS/XR/XS MAX、11/11PRO/11PRO MAX、12/12Mini、12pro、12promax、13/13Mini、13pro、13promax及支持三星和国产品牌小米、华为、VIVO、OPPO等
- 2.本治具需要2.5V以上的工作电压才能正常地工作,最大充电电流达2A。

二、产品图示说明

三、具体功能及使用说明

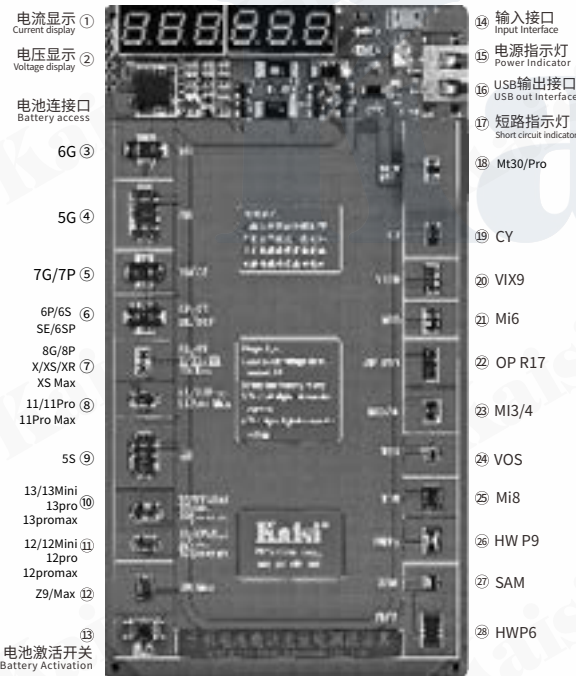
这里先解释下‘涓流充电’。

涓流充电:将输入电源电压调低(3.0-3.5V),调整电压使充电电流(看治具左边数码表)介于100-200mA。

接下来,我们按电池板的不同情况,对治具的不同功能分别做介绍。

治具先不接通电源,将要充电的电池扣到治具上,这时会有以下3种情况:第一、治具的所有指示灯不亮,说明电池电压低于2.5V(治具需要高于2.5V输入才会开始工作);第二、短路指示灯亮起,说明电池短路;第三治具电源指示灯亮起,右边数码表显示电压数(该电压就是当前电池电压)。

在详细的介绍各功能前,先根据经验将电池的电压与电量的对应关系,列表如下,以供参考



14 电流显示

Current display

15 电压显示

Voltage display

16 电池连接口

Battery access

6G ③

5G ④

7G/7P ⑤

6P/6S

SE/6SP

8G/8P

X/XS/XR

XS Max

11/11Pro

11Pro Max

5S ⑨

13/13Mini

13pro

13promax

12/12Mini

12pro

12promax

Z9/Max

13

电池激活开关

Battery Activation

14 输入接口

Input Interface

15 电源指示灯

Power Indicator

16 USB输出接口

USB out Interface

17 短路指示灯

Short circuit indicator

18 Mt30/Pro

19 CY

20 VIX9

21 Mi6

22 OP R17

23 MI3/4

24 VOS

25 Mi8

26 HW P9

27 SAM

28 HWP6

1. 激活功能介绍

有些电池太久没用或者电量太低,会进入休眠状态,需要激活才能充电使用。

将治具的电源正确导通,输入电压在3.0V-3.5V之间,绿色电源指示灯应该正常亮灯(治具自检)。将需要激活的电池板扣上治具,本治具有自动激活电池的功能,大部分电池都能自动激活。根据电池的不同将有以下三种情况:

A、当扣上电池,数码表上有电压显示,该电压大于输入电源电压,说明电池已经激活,有电压输出。表示已开启默认激活模式,治具已自动将电池激活,这时正常充电即可(具体充电操作,参考下面‘充电功能’)。

B、当扣上电池,数码表上的电压显示略小于输入电压(小于0.2-0.5V左右),说明不能自动激活,电池没有电压输出,这时需要手动点击“电池激活”按钮,开启激活模式。若激活成功后,应该有电压输出,此时数码表显示的电压要大于输入电压,这时正常充电即可(具体充电操作,参考下面‘充电功能’)。

C、当扣上电池,数码表上的电压显示略小于输入电压,在手动点击“电池激活”按钮后,数码表电压显示仍无变化,则可以判断这块电池已经损坏(普遍是电池小板损坏,可以更换电池小板)。

2. 充电功能介绍

在治具没接通外部电源时,这时将电池扣上治具,可以看到电池的电压,根据电压我们分两种情况来介绍治具的充电功能使用。

第一、电池电压高于3V的。

扣上电池后,治具上的电压表(右边数码表)显示大于3V时,给治具正确接上电源,根据需要,调整输入治具的电压用于调整充电电流,然后正常充电即可,最快充电电流可达2A(充电快速、效果非常好)。

第二、当电池电压低于3V(包括低于2.5V的情况)时。

扣上电池后,治具上的电压表(右边数码表)显示小于3V,或者没有任何显示(电池电压低于2.5V时就没显示)。电池电压处于3V以下的时,不能直接用高电压来充电,必须以‘涓流充电’的方式充电1-2分钟。给治具正确接上电源,输入电压调在3.0-3.5V之间,保持充电电流(看数码表左边的读数)在100-200毫安之间,使电池慢慢进入恢复状态。当电池电压升高到3.2V时,这时可以调高输入电压,按电池电压高于3V时操作即可。

这种情况的电池,有些是进入休眠状态的,大部分都能自动激活,如果碰上不能自动激活的,则用手动激活,手动激活还没效果的,则说明电池损坏。这点请参考上面的“激活功能”介绍。

3. 过流保护功能

治具最大充电电流为:2A,当操作失误,使电流大于2A时(在2.1A左右),治具会自动保护,避免误操作将电池损坏。当电流超过2A时,充电电流会突然降下去(观察左边的数码表显示可知),这是因为治具限制了维修电源的电压电流输入,以起到保护电池,避免操作隐患的作用。

过流保护后,由于大电流导致治具发热,需要30秒左右的时间来冷却,之后调整充电电压即可继续充电。

4. 短路检测功能

当把电池扣上治具后,右边短路指示灯亮起,其他的数码表及绿色指示灯已停止工作,表示这块电池正负极已短路。

电池电压 (V)	4.2	3.95	3.85	3.73	3.5	2.75以下
电池电量 (%)	100	75	50	25	5	0



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Guangzhou KaisiKing Trading Co.,Ltd.

Kaisi® K-9208 (Version 22) Intelligent Functions of recognizing electrode Activated And Charging Jig Of Mobile Battery Instruction

1.The Function And Feature Of Kaisi 9208Jig

The function of Kaisi 9208 jig

- 1.Adopt imported intelligent chip to realize fast charging.
- 2.It has the sleep wake-up function. Press the activation key to activate the battery in sleep. The battery can be used normally again.
- 3.Support other charging equipment to avoid long-term occupation of power meter affecting maintenance work.
- 4.Intelligent automatic identification of positive and negative poles of battery. The positive and negative poles are connected reversely without burning the machine, which can be used directly after being buckled.
- 5.Intelligent charging mode, in line with the lithium battery charging process.
- 6.The whole process of wisdom charge, no artificial guard, full immediately stop charging, do not worry about overcharge caused by danger.
- 7.The battery is full of automatic turning lights, green lights for real charging, full of automatic turning lights.
- 8.Intelligent identification of short-circuit battery, once the short circuit, the red indicator lights up and power off.
- 9.This fixture can work normally only when the input voltage is greater than the current battery voltage, and the maximum charging current is 2A.
- 10.Advanced design, safety, fast charging speed, battery capacity can be charged to 100%, with accurate short-circuit judgment ability for you to screen all kinds of bad batteries greatly save your precious time.

The feature of Kaisi 9208 jig

- (1). It can support the model of 5G、5S、6G、SE/6P/6S/6SP、7G/7P、8G/8P/X/XS/XR/XS MAX、11/11PRO/11PRO MAX、12/12Mini、12pro、12promax、13/13Mini、13pro、13promax battery. And Samsung, Mi, Huawei, VIVO、OPPO etc. battery.
- (2). It needs the working voltage over 2.5V to work normally. The maximum charging electric current is 2A.

2.The Description Of Kaisi 9208Jig

3.Using Instruction Of Specific Function

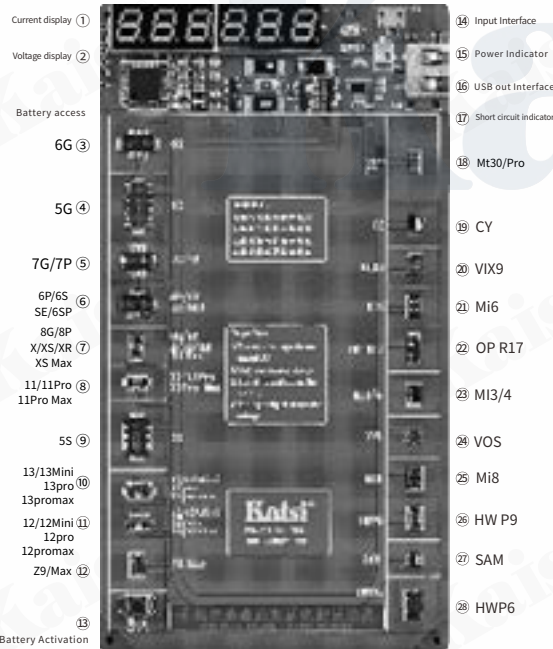
Here we start explain the meaning of trickle charging

The way of trickle charging: It means turning down the working voltage of input power supply, keeping the charging electric current between 100MA to 200MA.

Next step, we introduce different functions of Kaisi 9208 jig according to different situation of battery.

Do not connect the power supply first, and then fasten the battery into the Kaisi 9208 jig, here shows 3 situation:

- (1). Non reaction of all indicator light of Kaisi 9208 jig means the working voltage is lower than 2.5V. (Kaisi 9208 jig start working condition when the voltage is higher than 2.5V).
 - (2).The short circuit indicator lights up, it means the battery is short circuit.
 - (3).The indicator of power lights up, and the right side digital screen shows voltage which is current working voltage of battery.
- Before we introduce the details of different function of Kaisi 9208 jig, we shows the corresponding relationship of battery voltage and electric quantity according to the experience, following diagram is for reference:



Battery Voltage (V)	4.2	3.95	3.85	3.73	3.5	≤2.75
Electric quantity (%)	100	75	50	25	5	0

1.Introduction of activation function

Some battery will enter dormant status because of putting away for a long time or lower electric quantity, it works normally after activation.

The green indicator light will light up normally when connecting the power supply with Kaisi 9208 jig correctly, and adjusting the working voltage between 3.0V to 3.5V, this is a self-inspection function of Kaisi 9208 jig. Kaisi 9208 jig will activate most battery automatically when fastening the battery into Kaisi 9208 jig, this is an automatic activated function of Kaisi 9208 jig. Here are 3 situations of battery for reference:

A. The digital screen of Kaisi 9208 jig shows voltage of battery after fastening the battery into Kaisi 9208 jig, it means the battery is already activated with voltage output because of the voltage of battery is bigger than the power supply voltage. Kaisi 9208 jig with the function of automatic activation will start activation mode acquiescently, please charging normally after battery activation.

B. The digital screen shows that the voltage is a little less than input voltage (about 0.2~0.5) after fastening the battery into Kaisi 9208 jig, it means that the battery can not be activated automatically because the battery is without any voltage output, it needs to press the button of [Battery Activation] to start activation mode. The digital screen should show the output of battery if the battery is activated successfully. At this moment, the voltage showing in digital screen is bigger than input voltage, so please charge the battery normally (The following instruction of charging function is for reference.)

C. The voltage is a little less than the input voltage when fastening the battery into Kaisi 9208 jig, and if there is still nothing changing in the digital screen, we can judge that this battery is damaged. (The universal problem is the battery PCB small plate is damaged, please change the battery PCB small plate to solve the problem.)

2.Instruction of charging function

The digital screen can show the voltage of battery if we fasten the battery into Kaisi 9208 jig before connecting the external power supply with Kaisi 9208 jig, we can introduce the charging function of Kaisi 9208 jig in 2 different situations.

- (1).the voltage of battery is higher than 3V.

When the right digital screen shows the voltage is higher than 3V after fastening the battery into Kaisi 9208 jig, please connect the power with power supply and Kaisi 9208 jig correctly, and adjust the input power supply into Kaisi 9208 jig in order to adjust the charging electric current according to your needs, then charge the battery normally after last step. This is a fast and effective charging way, the maximum charging electric current is up to 2A.

- (2). the voltage of battery is lower than 3V.

The right side digital shows the voltage is lower than 3V or non reaction (The reason of non reaction is the voltage of battery is lower 2.5V) after fastening the battery into Kaisi 9208 jig. It can not use the high voltage to charge battery directly when the battery voltage is lower than 3V. It needs to charge 1~2 minute by the way of trickle charging. Please connect the power supply and Kaisi 9208 jig correctly, and adjust the voltage between 3.0 to 3.5V to keep the charging electric current in the range of 100 to 200MA., this step makes the battery recover slowly.

Most of dormant battery can be activated automatically, please press the button of [Battery activation] to activate the battery if some battery can not be activated automatically. We can judge that the battery is damaged if there is still non reaction after pressing the button of Battery activation]. Above mentioned of activation function is for reference.

3.Instruction of over current production function

The maximum charging electric current is 2A. Kaisi 9208 jig will start protection mode automatically to avoid some damaging of battery because of faulty operation. The charging electric current will lower suddenly when the electric current is over 2A, this is what we can know from left side digital current. This is a limit for electric current input of power supply to avoid the faulty operation and protect the battery at the same time.

Kaisi 9208 jig needs about 30s to cool down after over current protection because charging by high electric current will cause exothermic reaction, please charge sequentially after 30s .

4.Instruction of short circuit testing function

When the right side short circuit indicator lights up after fastening the battery into Kaisi 9208 jig, besides, digital screen and green working indicator stop working, it means this battery is short circuit.



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