

Smart Li- polymer Battery Pack

Date :

To:

From:

Model No : KEC-8000

Specification: (30.8Wh) 3.85V/8000mAh

Signature by customer

		Checked	Approved
	Name		
	Date		

Signature by

		Written	Checked	Approved
	Name	He gong	He gong	Zeng gong
	Date			

Update history

[illegible]

1. Product Parameters

1-1. Model No.

1-2.Cell Type

1-3. Cell Model

1-4. Output Parameters

1-5. Charging Parameters

1-6. Typical Capacity

1-7.Temperature Range

1-8. Warranty

1-9. Weight

1-10.Humidity range

2. Mechanical

2-1.Mechanical Drawing

2-2.Photo of the Product

2-3.Pin Assignment

3. APP Instruction manual

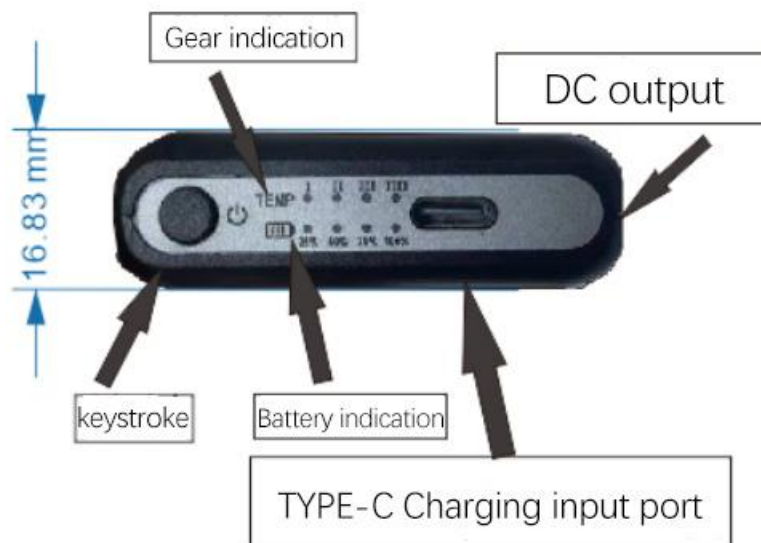
1. Product Parameters

1-1.	Model No.	:	KEC-8000
1-2.	Cell Type	:	Li-ion cell
1-3.	Cell Model	:	135065 3.85V8000mAh
1-4.	Output parameters	:	DC : D C Output
	Output Parameters		DC 5.0V $\pm$ 0.25V 2000mA Output terminal can be charged to input series product
1-5.	Charging Parameters	:	Type-C Micro input port Charge with DC5V/2A, charging current: 2A $\pm$ 0.1A charging current varies with the change of battery voltage (under the charge for 75%)
1-6.	Typical Capacity	:	3.85V/8000mAh at 0.2C(cell) (DC:5V 4800mAh)
1-7.	Temperature Range	:	Charge:0 $\sim$ 45 $^{\circ}$ C Discharge :-20 $\sim$ 65 $^{\circ}$ C Storage: -20 $\sim$ 25 $^{\circ}$ C Within 1 year -20 $\sim$ 45 $^{\circ}$ C Within 3 months -20 $\sim$ 60 $^{\circ}$ C Within 1 month
1-8	Warranty	:	Twelve(6) months limited warranty from date of purchase.
1-9	Weight		/g
1-10	Humidity range		Operating humidity range: Less than 75% RH Storage humidity range: Less than 75% RH

(For details, please ref. to the A-1-4 using description and test standard..)

2. Mechanical

2-1.Mechanical Drawing (unit:mm Tolerance: $\pm 0.2\text{mm}$)



Gear red light: 1 light on one block light; The second gear is 1 2 two lights on;
3rd gear 1 2 3; 4th gear 4 lights are on

Product dimensions: 54.1X87.4X16.9mm

A-1-4.Using Description and Test Standard

Test standard for finished product

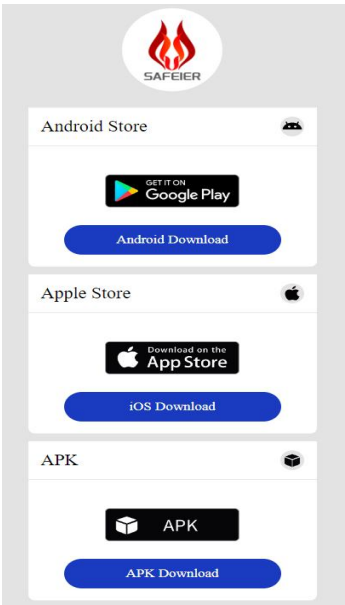
No.	Test item	Test standard	Remark
1	Charging voltage	DC5V $\pm$ 0.5V	DC source limited current:2A
2	Charging current	Charge with DC5V/2A, charging current: 2A $\pm$ 0.1A	Charging current varies with the change of battery voltage (under the charge for 75%)
3	Fully charged indicator	LED lamp power all lights on	
4	Charging indicator :		
	ON/OFF Status	Display mode	
	OFF charging indicator status	○○○○Light	
	ON charging indicator status	Charging priority, showing 3S charging	

5	Display the electric quantity:		
	◎○○○	0%—5%	The first electric lamp flashing
	●○○○	6%—40%	Display one light power
	●●○○	40%—60%	Display two lights power
	●●●○	60%—80%	Display three lights power
	●●●●	80%—100%	Display four lights power

6	ON OFF	Press the button to turn on , display the current power , LED lights off automatically after 3S, no load 30S ± 2S, automatically turn off the output (discharge current is less than 50ma)		
7	DC output	on-load	5V±0.25V	
8	voltage	load	CR=2. 5 0hm	Current : 1.8A~2.0A
9	DC Over current protection	CC mode load 2.6A ±0. 2A (Max) , the output more than the over current (within 3S),output closed and charging activate bfore remove the fault .		
10	Short circuit protection	DC continuous load short circuit, battery indicator light off delay 3S, 20S automatic shutdown, without re-activation charge.		
11	Real machine test	When the smart phone is connected to USB port by connecting wire, it should have the charging indication		
12	Appearance inspection	Refer to 《General appearance inspection criteria for power supply》		
Remark: since consumed less than 100uA.LED light with “●” mean bright; with “○” mean unbright “◎”				

3.Instructions for the operation of the mobile application (APP) of heating socks

Description of the operation interface



设备列表页（主页

面）

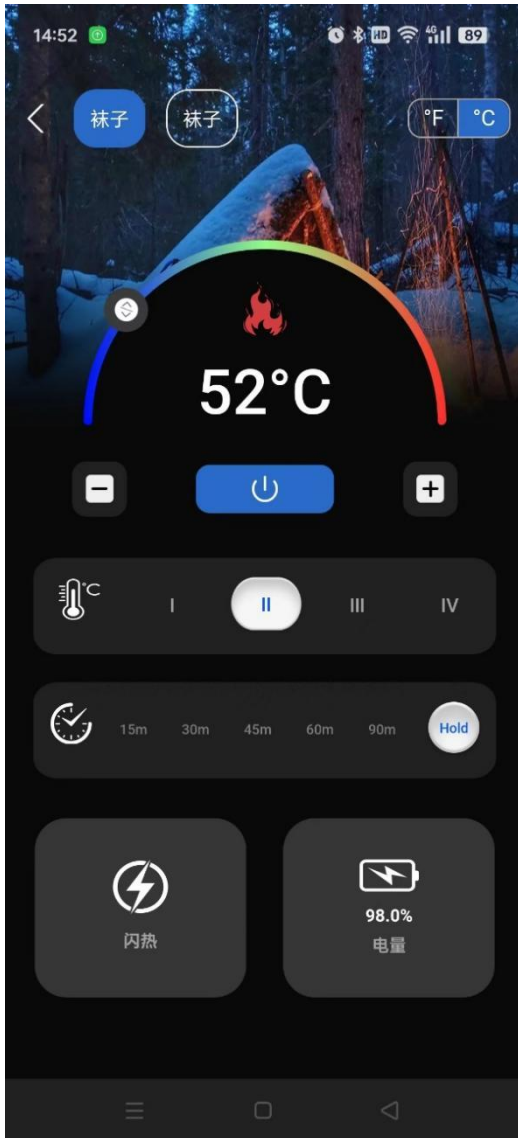
1.  To add a device, add it for the first time, click the button to pop up the device type interface, and select the type that needs to be added.
2.  Device category classification, click one of the buttons, and the devices in the category will be displayed in the following list. When a button is blue, it means that the current list shows the device in that category.
3.  The device type icon and name, when the icon is blue, it means that the device is online, and when the icon is gray, it means that the device is offline. Swipe left on the list, and the Edit and Delete buttons appear, you can name or delete the device.
4.  The heating temperature currently set by the device
5.  Heating timer, displays the set timed heating time, and "Hold" is the default continuous heating.
6.  6. The current remaining power of the device is displayed.

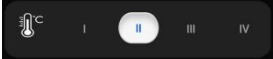
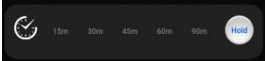


7.  The power on and off button for the current device

1. Control the page

Click "Enter Control" to enter the control page



1.  Back button to return to the previous page
2.  Display the device in the list, click the device to be controlled, blue means selected, no color means unselected, you can control a single or multiple at the same time
3.  The temperature unit is switched in blue, and the blue color indicates that the temperature unit is currently switched to.
4.  The temperature to be heated is regulated by the pulley, and the number below shows the temperature value adjusted by the pulley. You can also press the ", -" signs on both sides to adjust the temperature.
5.  The on/off button can turn off or on all selected devices at the same time.
6.  Temperature gear adjustment setting.
7.  Heating timer setting.
8.  Flash the heat button, click the button, and the device will enter a rapid heating state.
9.  Power display, here only the power of the first online device in the list is displayed.

1. Settings interface and login screen

Click "Settings" to enter the settings interface, which is mainly the settings of the operating system



1. Click Login to switch to the login screen
2. Unit setting, unit switching of temperature representation
3. Language settings, click on the drop-down list of languages that appear, there are multiple languages to choose from
4. Version information, showing the current software version
5. Disclaimer, see the Software's Disclaimer
6. Instructions, you can enter the simple operation instructions of this APP



1. Users can choose to log in in guest mode or log in with an account, and the control and operation of the device are the same in both modes.
2. To select an account to log in, you need to create an account first, click "Create Account" to create an account according to the process.
3. Set the language, the same as the language setting in the system settings, click to select the language you want to set.

FCC Warning

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.

Any 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. The device can be used in portable exposure condition without restriction.