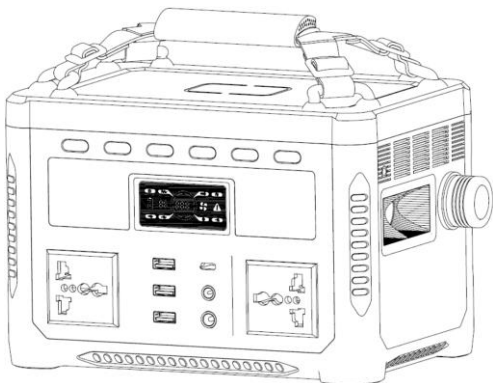


## HSECPTOW-G63 Portable Power Station

# User Manual



### Warning

1. Please keep dry and keep away from fire.
2. Do not disassemble, puncture, perform irregular operations on the exposed ports or strongly impact the product.
3. Be careful about yourself and anyone else when transporting.
4. For children or people with limited intelligence, please pay attention to use under the protection of guardians.
5. It is strictly forbidden to use accessories other than our company for the power extension port. All consequences caused by illegal operation shall be borne by the customer.
6. It is strictly forbidden to use it in a waterproof bag or other protective cover to avoid excessive internal temperature of the device and cause danger
7. Please recycle and throw product according to local law.

## Keynotes

The product uses the following terms to classify the potential hazards that may be caused by improper operation.

### Attention

If you do not follow the instructions, it may cause property damage and minor injuries.

External electrical appliances need to be within the power and voltage range of the interface

### Cautious

If you do not follow the instructions, it may cause property damage and serious injury.

### Warning

If you do not follow the instructions, it may cause large property damage, major accidents and serious injuries.

### Important reminder

Please reading the user manual and familiarize yourself with the functions of the product before operation. If it is not operated correctly, may cause serious injury to itself or others, or cause product damage and property loss. Our company does not assume any legal responsibility. Do not use parts that are not provided or recommended by our company. You must strictly follow our company's guidelines to install and use the product. Otherwise, you will not be able to get our company's free after-sales service. Be sure to read the user manual carefully before assembling, setting up and using it.

## Product safety guidelines

Improper use may cause fire or property rights or personal injury. Be sure to use the product in accordance with the following safety guidelines.

## Product use

1. It is strictly forbidden to make the product come into contact with any liquid. Do not immerse the product in water or get it wet. Do not use this equipment in rain or humid environment. Otherwise, the battery may ignite spontaneously, and may even cause an explosion.
2. It is strictly forbidden to use unofficial parts. If you need to replace it, Please consult the purchasing channel for relevant purchasing information. The company is not responsible for product failures or accidents caused by the use of products that are not officially provided by the company.
3. Before installing or unplugging Spare battery modules of the device, please keep the power supply of the device turned off. Do not remove or insert Spare battery modules when the power of the device is turned on, otherwise the power interface may be damaged.

This product should be used in an ambient temperature of -20°C to 60°C. Too high temperature (above 60°C) may cause the battery to catch fire or even explode. If the temperature is too low (below -20°C), the product performance will be severely reduced, and it may not meet the normal use requirements. It can be used normally after returning to normal temperature.

5. It is forbidden to use this equipment in a strong static electricity or strong magnetic field environment, as it may not work properly. Otherwise, some protection functions of the device may fail, causing serious failure of the device.
6. It is forbidden to disassemble or pierce the product with sharp objects in any way. Otherwise, the product will malfunction, catch fire or even explode.
7. The equipment must not be used again after it has been severely dropped or hit by an external force.

8. If the product accidentally falls into the water during use, place it in a safe open area until the product is completely dry. The dried product should not be used again and should be properly disposed of according to the disposal method in this article. If the product catches fire, it is recommended to use fire extinguishing equipment in the following order: sand, fire blanket, dry powder and carbon dioxide fire extinguisher.
9. Do not place the equipment outdoors or in a pressure cooker.
10. It is forbidden to use wires or other metal objects to avoid short circuit of the product.
11. Do not place heavy objects on the machine.
12. If the machine is dirty, wipe it with a dry cloth. Otherwise it will lead to poor contact, resulting in energy consumption or failure to charge.

### **Product charging**

1. The machine must be charged using the Adapter officially designated by the company. The company will not be responsible for all consequences caused by charging using a Adapter that is not officially designated by the company.
2. When charging, please place the machine on the ground where there is no flammable or combustible materials around, such as cement. Please be on-site to supervise the product while it is charging to prevent accidents.
3. After continuous full-load discharge, if the product battery is in a high temperature state, it is recommended to cooled the device till it is in room temperature before charging, otherwise charging may be prohibited, the rechargeable environment temperature of the battery is 0℃-40℃, and the ideal charging environment temperature (20℃-30℃) can greatly extend the service life of the battery.

## **Product storage and transportation**

1. Please store the equipment out of reach of children. If a child accidentally swallows parts, seek medical attention immediately.
2. If the machine prompts severely low battery after use, please charge it before storing. Otherwise, long-term storage may cause damage to the battery inside the product. If the battery of the machine is severely insufficient and the idle time is too long, the battery will enter the deep sleep mode. If the battery needs to be awakened from deep sleep, the machine needs to be charged.
3. It is forbidden to place the machine close to heat sources, such as in a car exposed to direct sunlight, fire sources or heating furnaces.
4. The environment for storing the machine should be kept dry. Do not place the machine in water or where it may leak.
5. It is forbidden to store or transport the machine together with glasses, watches, metal necklaces, hairpins or other metal objects.
6. Never transport a machine with a battery power higher than 50%.

## **Product battery waste**

1. The battery of the machine must be completely discharged before placing it in the designated battery recycling bin. Batteries are dangerous chemicals and are strictly prohibited to be placed in ordinary trash cans. For details, please follow the local laws and regulations on battery recycling and disposal.
2. The battery cannot be started after over-discharge, please dispose of it.

## Product maintenance

1. Do not store the battery of the machine in an environment where the room temperature exceeds 60°C or is lower than -20°C.
2. If the machine is left unused for a long time, its performance will be affected.
3. Recharge and discharge once every 3 months or so to keep the battery active.

## Note for boarding

Lithium batteries and equipment with a capacity greater than 160Wh are prohibited; this product cannot be carried on board. G63 use, maintenance and safety guide

## G63 Use and Safety Guide

### Congratulations!

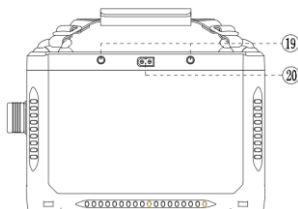
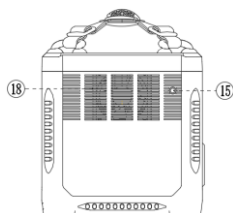
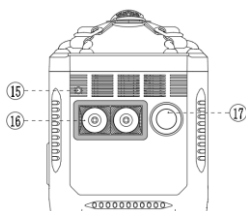
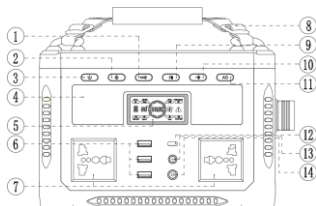
You now have outdoor power supply expert equipment! This introduction manual will help you sincerely. Please take a moment to read this manual, and use the device in accordance with the instructions on the manual. You only need to read through it once and you will be able to fully grasp how to use this device!



### Note!

To turn on or turn off G63, you need to press and hold the power button for 3-6 seconds. To enable the AC output, you need to press the AC button again when the G63 is turned on. The purpose of this design is to distribute the power reasonably and keep the device better and longer using. Please follow this manual to learn about the ports, buttons, display, etc. of G63 one by one. (When you start to use this device for the first time, it is recommended to charge the device to 100% first)

# Function description



- ① Flashlight switch
- ② Reading light switch
- ③ Power and screen switch
- ④ Reading light
- ⑤ HD screen
- ⑥ USB-A out port
- ⑦ 2 AC out sockets
- ⑧ Handle
- ⑨ Wireless charging switch
- ⑩ Atmosphere lamp switch
- ⑪ AC switch
- ⑫ TYPE-C two-way port
- ⑬ DC5521 input port
- ⑭ DC6525 output port
- ⑮ Optical fiber insertion hole
- ⑯ Flashlight
- ⑰ Vehicle charging & cigarette lighter
- ⑱ Ventilation channel
- ⑲ Fix spare battery nut
- ⑳ Spare battery connector

## **1. Flashlight switch**

The flashlight light is divided into three levels, high light, strong light and SOS rescue signal flashing. Press once to turn on the highlight, press again to change the strong light; press again to change the SOS rescue signal flashing light, and finally press again to turn off the light. During this period, long press can be directly closed.

## **2. Reading light switch**

The reading lights are divided into four levels, quiet, soft, moderate and enhanced. Tap it once to open it to the " quiet " state, each time the intensity increases, the sequence loops. During this period, long press can be directly closed.

## **3. Power and screen switch**

Press and hold the power button for 3-6 seconds to turn on or off the G63. When G63 is turned on, the display will light up;

To open or close the LCD screen and keep the G63 running, short press the power button;

When the device senses operations such as unplugging and plugging the device and other buttons, the display will automatically light up; otherwise, the device will automatically turn off after being idle for more than 1 minute.

## **4. Reading light**

Four levels of light can be adjusted, select the most suitable lighting effect in dark environment.

## **5. HD screen**

Display the power of the product and the usage status of each functional module.

## **6. USB-A output port**

When the USB-A port is in use, the corresponding indicator icon will automatically light up; charge devices that support fast charging at a maximum speed of 18W, if your device does not



support fast charging, the device will charge at normal speed.

## **7. 2 AC out sockets**

Supply power to utility equipment, such as notebook, TV, mini speaker light.

## **8.Handle**

Camera with professional hand strap, soft and comfortable, strong and durable.

## **9. Wireless charging switch**

To charge mobile phones, tablets and other devices that support wireless charging, tap to turn on/off.

## **10. Colorful lights switch**

The colorful lights have up to fifteen flashing effects, tap to turn on/off.

## **11.AC switch**

The key controls the AC output, enable AC power, press the AC power key. When not using AC power to charge the device, please press the AC power key to turn off and be sure to pull the power cord out of the AC port. When the AC power supply is enabled, the corresponding indicator on the display will light up. If the AC power is not used for more than 5 minutes, the AC indicator will turn off and the AC output will be stopped.

## **12. TYPE-C two-way port**

TYPE-C port supports PD65W, which can quickly charge iPhone, MacBook Pro, Android phones, tablets, laptops and any other TYPE-C port devices. The device can also be charged through this port. When the TYPE-C port is used, the corresponding icon on the display will automatically light up.

## **13.DC5521 input port**

The device can be charged with standard power adapter or solar panel, and the charging voltage can support 5-20v.

## **14. DC6625 output port**

G63 provides DC6525 output port direct current (DC) electrical output.

### **15.Optical fiber insertion hole**

The hole is used to insert fiber optic strips (up to 50m in length), and the night environment can create a colorful and warm atmosphere.

### **16.Flashlight**

Double lamp high spot flashlight, two-stage brightness adjustable, lighting distance up to 100 meters, and SOS mode.

### **17. Vehicle charging & cigarette lighter**

The car charger port supports a maximum current output of 12A, which can be used for general on-board electrical appliances and can also charge the 12V lead-acid battery of a car (must be operated and used under the guidance of professionals).

### **18. Ventilation channel**

This equipment has four-level temperature monitoring, professional air duct design, high-power fans start at the right time according to actual needs, and exhaust air from the cooling channel can prevent the G63 from overheating.

### **19.Fix spare battery nut**

Lock the backup battery to the host to keep the connection reliable.

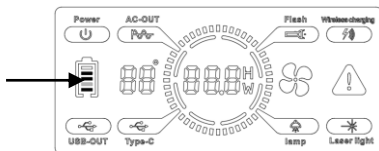
### **20.Spare battery connector**

G63 provides standard XT60DC 16.7v power supply and a maximum output of 750w, which can meet the needs of customers for fast charging of daily electric tools and drone aerial photography

## Introduction of user interface

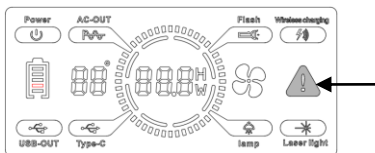
### Battery level Icon

Remaining power is displayed, and the power icon will flash in turn when charging.



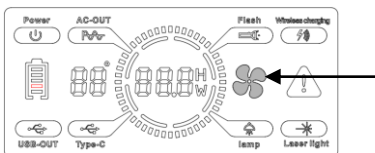
### Alarm icon

In case of abnormal conditions such as high temperature and high current, the red warning icon will light up and flash.



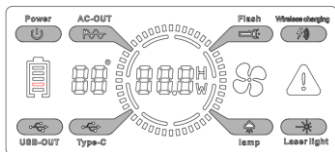
### Fan icon

The fan speed of G63 is controlled by the device host, and the icon will automatically light up when the fan is working. Port usage indicator



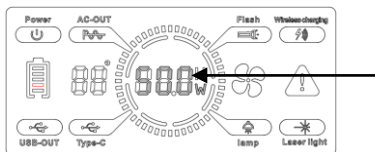
## Port usage icon

When each port works, the corresponding indicator icon will light up automatically, otherwise the icon will go out.






## Power display

Display total power of all current output, accuracy up to 0.5W.



	USB-A overload protection	Hardware protection stop, automatically restore after removing the cable
	USB-C high temperature protection	When using the TYPE-C, the LCD temperature display exceeds 70℃, and the red alarm icon flashes with the temperature number. After the device is removed, the temperature drops and returns to normal.
	Discharge high temperature protection	The exclamation point icon and the high temperature icon flash together. Please wait for the battery to cool down to restore power.

	Discharge overload protection	Exclamation mark icon, unplug the electrical appliance and restart the machine to restore it. The appliance must be used within the rated power.
	Inverter output overload	The AC icon and the exclamation mark icon flash for 60 seconds at the same time, the inverter function automatically shut down, can restart AC ON/OFF function. Electrical appliances must be used within the rated power
	Inverter over temperature protection	The AC icon and the exclamation mark icon flash. Open AC ON/OFF switch after the interface cooled down, the interface will automatically resume operation.
	Car charger overcurrent/overload	Hardware protection stop, automatically restore after removing the cable
	Car charger high temperature protection	The hardware automatic protection and stops the output, removes the connection line, it will automatic recovery after temperature drops.

## Precautions for safe use

- 1、 When using the rated power of 300w-500w appliances, please connect only one, so as not to affect the use effect of other appliances due to voltage changes when using multiple electrical appliances;
- 2、 It is recommended to use heating equipment with rated power

of 500W and below, such as electric hair dryer, electric kettle, coffee machine and other equipment.

- 3、Please do not plug in and out the electrical equipment frequently after opening the AC, so as not to affect the normal operation of the booster module. Please do not plug in and out the electrical equipment frequently after opening the AC, so as not to affect the normal operation of the booster module.
- 4、When the adapter is used to charge the c5521 interface, the system will automatically adjust to a maximum of 65W, and charge normally except PD and QC interfaces.
- 5、When the adapter is used to charge the type-C, the system will automatically adjust to the maximum 65W (if the adapter power is small, it shall be subject to the actual power) for normal use except that PD and QC interfaces cannot be used.
- 6、When using the on-board adapter to charge the dc5521 interface, the system will automatically adjust to the maximum of 65W, and charge normally except PD and QC interfaces.
- 7、It can reach 255w with 16.6v fast charging, and the device will be fully charged within 2 hours. The adapter must be equipped with our standard, and the third-party charger is not supported.
- 8、The equipment supports two 110W solar panels in parallel for charging, and the maximum 255w input of the equipment itself is limited (the XT60 interface voltage of the equipment is 16.5-v16.7v, please do not insert the charging equipment with unstable voltage). If the equipment is damaged due to illegal operation, our company will not bear the maintenance cost. The device also supports the input of 12V maximum 4A on-board power supply (be sure to start the car when using, so as not to cause the car battery to be unable to start due to power loss).

## Technical Parameters

### Basic specifications

Net weight	3.8Kg
Size	221*148*160mm
Capacity	299Wh (81000mah)
Certification	GB4943、CE、FCC、UL etc.

### Output

AC output*2 (full sine wave)	600W (peak 1200W), 110V 60Hz/ 220V 50Hz
USB-A	QC3.0,5V/9V DC,3A,27W max
USB-A*2	5V,3A,15W max
TYPE-C	OTG,5V/9V/12V/15V/20V,PD65W
Car charger	DC12V 10A,120W max
DC6625	DC12V 10A,120W max

### Input

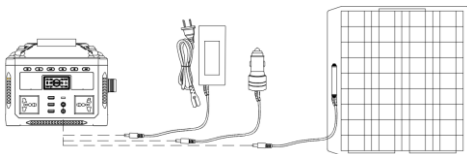
DC5521	DC 5-20V,120W max
Solar charging	120W,DC 5-20V,10A max
TYPE-C	PD65W
XT60	16.7,240W max

### Battery

Battery type	Lithium battery
Discharge temperature	-20~60℃±3℃
Charging temperature	0~45℃±3℃
Shelf storage	time 6 months (full power state)
Cycle life	500 cycles (remaining power ≥80%)

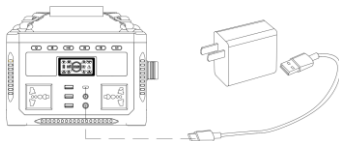
## How to charge G63

### Way1 Through DC5521 port



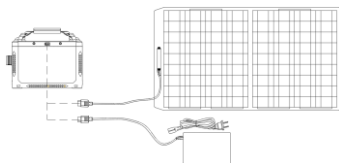
Charging voltage 5-20V

### Way2 Through TYPE-C port



PD65W

### Way3 High power charging through XT60 interface



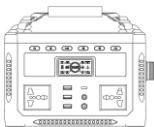
Charging voltage must be controlled at 16.5-16.7V

#### Attention:

Please refer to manual of the solar panel for details of how to use the solar panel. G63 can accept 5-20V DC input, when the input exceeds 20V, G63 will trigger overvoltage protection. High voltage may cause damage to the product. If the number of connections exceeds the specified number or the connection is not made according to the specification, the company will not undertake the free maintenance service of the damaged machine during the warranty period.



## Package Contents



G63 device



Charging adapter



Car charging



User manual

## FAQ

### ➤ Can G63 power the device when it is charging?

**G63** can also output electric energy when charging, and it is not recommended to output for a long time or connect to high-power equipment while charging. When charging with DC or type-C, the two upper output ports cannot be used.

### ➤ How to store G63?

Store **G63** in a dry place and avoid direct contact with water. In order to prolong the life of the battery, please charge it to 30%-80%, turn off the main power and store it at normal atmospheric temperature.

### ➤ How to use G63 safely?

Use this equipment under working temperature range. Using this equipment outside the working temperature may cause damage. Do not immerse the device in water, this device is not waterproof, doing so will invalidate your warranty.

If the maximum power output lasts for more than half an hour, over temperature protection is normal. Please wait for about 1 hour before using or charging.

## Warranty card

1. The warranty period of this product is one year. During the warranty period, the failure (determined by the official staff of our company) caused by normal use according to the instruction manual will be repaired free of charge.
2. During the warranty period, if one of the following situations occurs, the repair shall be charged:
  - 1) Unable to provide this warranty and valid purchase certificate.
  - 2) Fault and damage caused by misuse and improper self-repair.
  - 3) Failure or damage caused by transportation, moving or falling after purchase.
  - 4) Improper use of the equipment caused by water or other solution damage.
  - 5) Damage caused by using power supply other than specified voltage.
3. Only the above warranty, without any other express or implied warranty (including the implied warranty of merchantability, rationality and adaptability for a specific application, etc.), no matter in the contract, civil negligence or other aspects, the company will not be responsible for any special, accidental or indirect damages.

### User information

Product model	
Product number	
Purchase date	
Customer name	

### Warranty records

Warranty date	Fault and maintenance method	Completion date

## 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 equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. During the operation of device a distance of 15 cm surrounding the device and 20 cm above the top surface of the device must be respected.