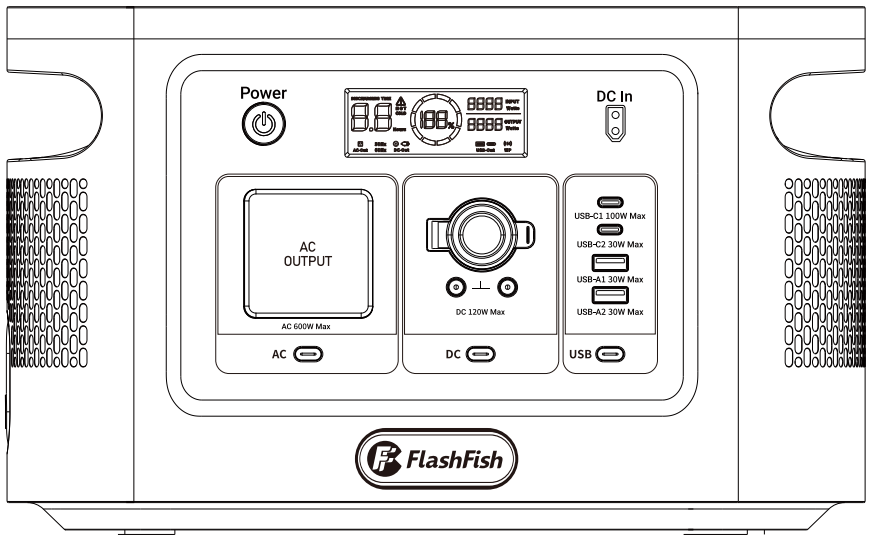
PORTABLE POWER STATION
User Manual



Model : E106B

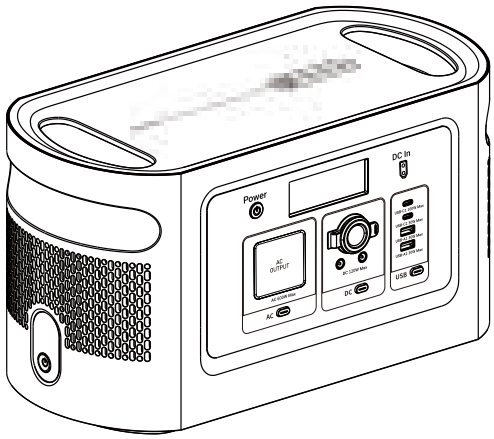
The disclaimer

1. Before using this product, please read this manual and make sure you fully understand its contents. After reading, please keep this manual for future reference. Please note that you may cause serious injuries to yourself and others, or damages to properties when incorrectly handling this product. Once you start using this product, it's deemed that you've understood and accepted all terms and conditions listed in this manual. Users have the responsibility for all their actions and bear all consequences arising from using this product. The manufacturer are not liable for any losses caused buyers not using this product according to this "Manual".
2. In compliance with relevant laws and regulations, the manufacturer reserves the right of final interpretation of this manual and all related documents.
3. Please note that no prior notice will be given in cases of update, revision or termination of this manual.

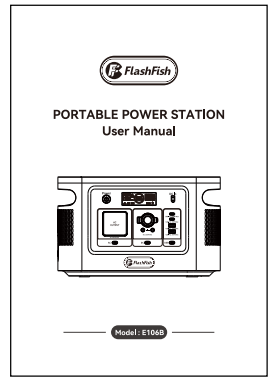
Product Descriptions

This product has multi-port functions of AC output and DC output, which can supply electric power for phones, laptops, cameras, TVs, game players, DVD players and all sorts of small-scale electric tools. It also has built-in LED lights.

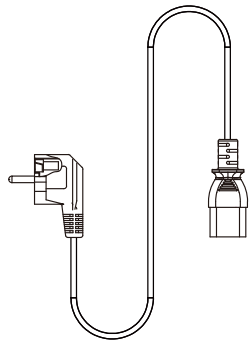
Package Contene



Portable Power Station



User Manual



AC Charging Cable

* The specifications of the AC input plug may vary from country tocountry, so please refer to the actual product.

Safety Warnings

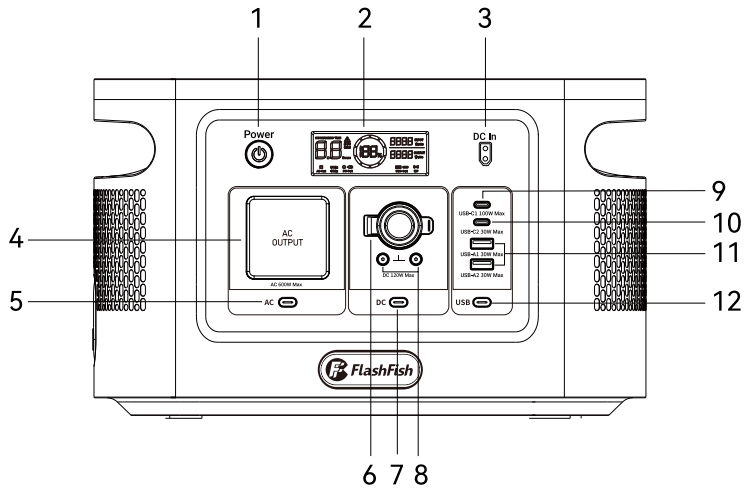
1. This product is not intended for children.
2. If anyone else uses this product, make sure to remind them to read this manual and fully understand how to use this product.
3. Before using this product, please remove all packaging and untie the cables.
4. Don't disassemble this product without authorization to avoid unexpected dangers. If you need maintenance, please contact customer service.
5. If this product has been violently shocked, dropped, or otherwise damaged, do not use it and take it to service personnel.
6. Don't place this product near heat sources such as fire or stoves.
7. Don't use this product near flammable gases or liquids.
8. Don't put this product on flammable objects such as carpets, paper, cardboard, etc. When product is running, please keep it away from items which may be affected by high temperature, such as blankets, pillows, mattresses, etc.
9. Don't expose this product to any liquids, don't immerse this product in water or even get it wet. Don't use this product in rain or humid environment.
10. This product becomes hot during use and must be properly ventilated. Please ensure that there is at least 7.5 cm of space around the product.
11. When using this product, please follow the required temperature in this manual. If the temperature's too high, the battery may get on fire. If it's too low, this product will work undesirably or even cannot work. If this product exudes peculiar smell or heat when using, please switch it off and place it in one open place for observation. After confirming safety, please contact the manufacturer or dealer of this product.
12. Don't place other heavy objects on the top of this product.
13. Don't forcibly block the fan when using, or leave this product in one stuffy dusty space.
14. Don't use this product in environments with strong static electricity or strong magnetic field.
15. Do not use this product at an altitude exceeding 2000m.

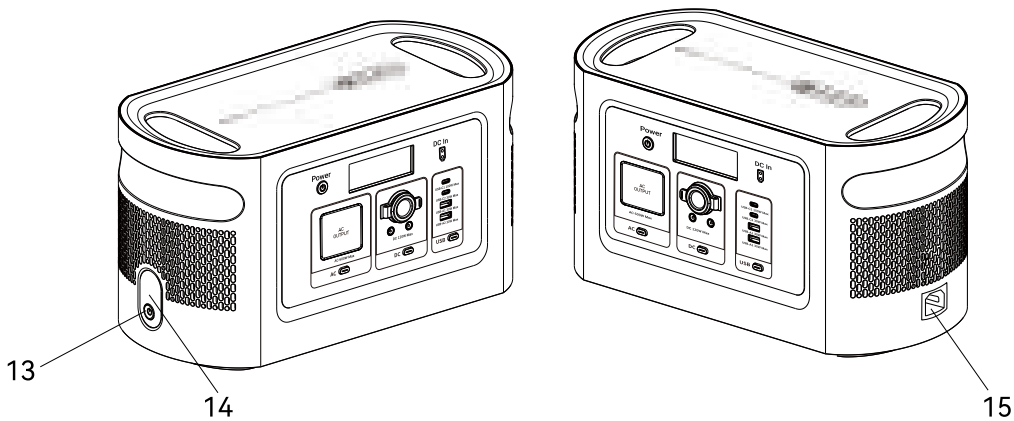
16. AC output of this product is 100V-240V, don't insert your fingers or any hand-held metal conductors into the AC output socket.
17. Don't short-circuit the output of this product.
18. Please match power station model according to electrical equipment power. It's forbidden to use this product with excessive power or overload.
19. Don't use this product with damaged power strips or plugs. If damaged, replace power strips or plugs immediately.
20. Do not charge this product with any damaged charging cables.
21. Please charge this product with the charger in product package.
22. Please choose solar panel charging according to the electrical parameters specified in this manual.
23. To minimize the risk of electric-shock, turn off and unplug this product before maintenance or cleaning.

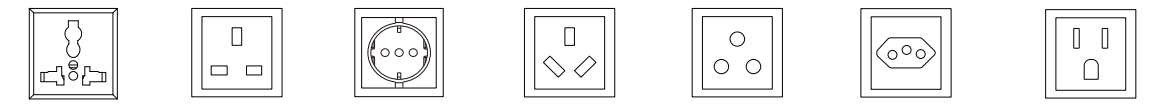
Specifications

Basid Parameters	Name	Portable Power Station
	Model	E106B
	Capacity	384Wh, 25.6V, 15Ah
	Size (L×W×H)	306×171×202mm (12.05×6.73×7.95in)
	Net Weight	≈5.2kg (11.46lb)
Input	Solar Charging	12-30V/10A Maximum input power 200W
	AC Charging	100-240V~,50/60Hz Maximum input power 250W
AC Output	AC Output	The maximum shared power is 600W (pure sine wave) 110V (US / BR / Japan Version) 230V (EU / UK / AU / RSA / BR / Universal Version)
DC Output	USB-C1 Output	5V⎓3.0A/9V⎓3.0A/12V⎓3.0A/15V⎓3.0A/20V⎓5.0A 100W max Independent output
	USB-C2 Output	5V⎓3.0A/9V⎓3.0A/12V⎓2.5A, 30W max; When USB-A1 and USB-C2 are used simultaneously, they share 5V/3A
	USB-A1 Output	5V⎓3.0A/9V⎓3.0A/12V⎓2.5A, 30W max; When USB-A1 and USB-C2 are used simultaneously, they share 5V/3A
	USB-A2 Output	5V⎓3.0A/9V⎓3.0A/12V⎓2.5A, 30W max; Independent output
	DC5521*2	12V⎓10A , Shared power 120W max
	Car Charging	
	LED Light	3W
Battery specifications	Cycle Life	≥3000 Times
	Protection Type	Over Temperature Protection, Low Temperature Protection, Over Voltage Protection, Low Voltage Protection, OverloadProtection,Short Circuit Protection, OvercurrentProtection
Environment Requirements	Charging Temperature	0℃-40℃（32℉-104℉）
	Discharging Temperature	-10℃-40℃（14℉-104℉）

Detail Illustrations



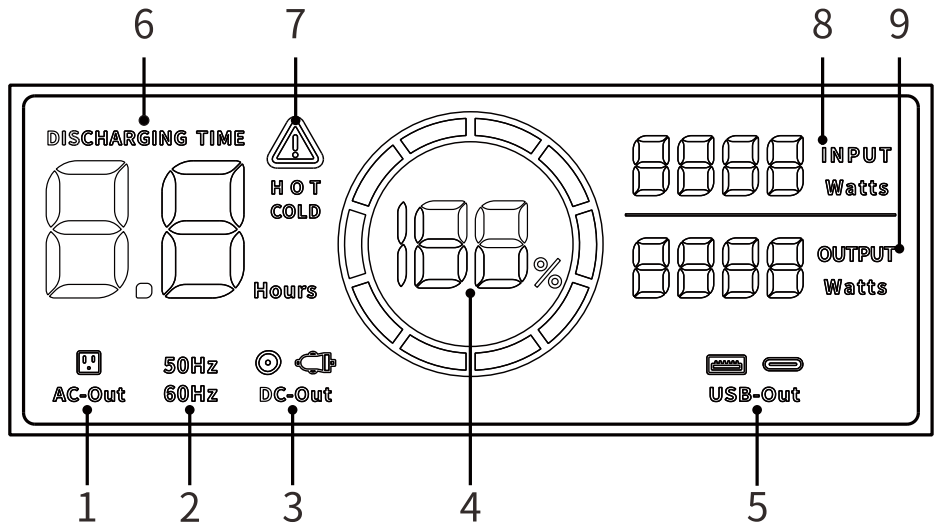




* The AC socket, AC output voltage and frequency will be different in different countries or regions, please refer to actual product!

1. Main Power Switch
2. Display Screen
3. DC Input Port
4. AC Output Socket
5. AC Output Switch
6. Car Charging Output Port
7. DC Output Port
8. DC Output Switch
9. USB-C1 Output Port
10. USB-C2 Output Port
11. USB-A1 & A2 Output Port
12. USB Output Switch
13. LED Light Switch
14. LED Light
15. AC Input Port

Display Screen



1. AC Output
2. AC Output Frequency
3. DC Output
4. Remaining Electricity (%)
5. USB Output
6. Remaining Charging/Discharge time
7. Fault flags
8. Input Power
9. Output Power

* When not using this product, please turn it off.
* The input power and output power displayed may be different from the actual, This is for your reference only !

Charging/Discharging

1. In "off" mode, plug power cable into the AC charging port, all display signals on the screen will light up. After performing normally in self-test, it will then enter into charging (input) mode. The screen will always light up to show charging time, input wattage and remaining electricity (%).
2. When charging (input), the fan will automatically adjust its speed according to temperature and charging power.
3. After fully charged the screen will display 100% electricity. Now please unplug the AC power cable.
4. When discharging (output), the screen is on to show remaining discharging time, output wattage and remaining electricity (%). It will automatically adjust its remaining discharging time according to output wattage.
5. When discharging (output), the fan will automatically adjust its speed according to temperature and discharging power.

* Please charge this product immediately after purchasing.
* Please recharge this product when remaining electricity (%) is below 20% to maintain good performance and extend product lifespan.
* Don't charge this product with the output of itself.
* Don't fully discharge the battery, to avoid shortening battery lifespan.
* When warning sign of high/low temperature protection appears on the screen, please stop using product and shut it down immediately.

Power On/Off

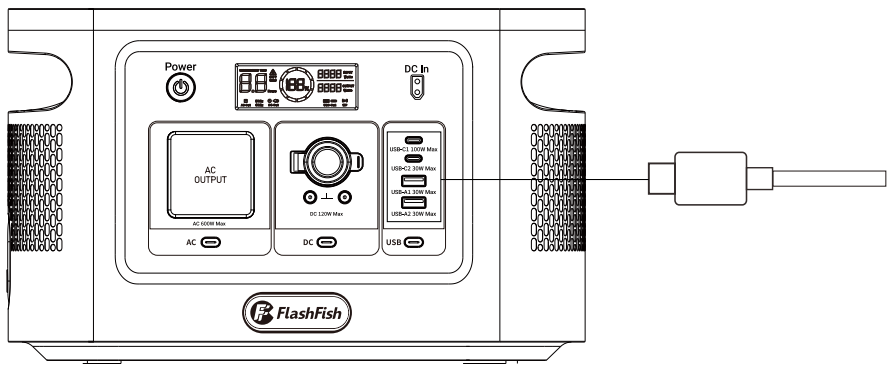
1. Gently short press the general switch button to switch this product on/off so as the screen.
2. After starting up, if there is no operation for 60 seconds, this product will automatically turn off.
3. Switching off the general switch button will turn off all functions.

* Incharging (input) mode, the general switch button will be disabled.

USB Output

1. After starting up, gently short press the USB switch to switch on the USB output function, and the screen will show "USB-out".
2. Plug the USB-A cable into the USB-A port to charge electrical appliances.
3. Plug the USB-C cable into the USB-C port to charge electrical appliances.
4. After using, gently short press the USB switch to turn off the USB output, then unplug the USB cable.

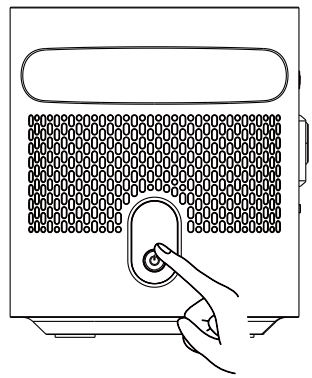
* When USB output function running for 6 hours (or even longer) with no load, the USB output function will beautifully turned off.



LED Light

1. Gently short press the LED light switch to turn on the LED light.
2. Keep short press LED light switch to switch LED light modes into weak, medium, strong, SOS, strobe, and off.
3. Firmly long press the LED light switch to turn off the LED light.

* The LED light will automatically turn off after continuously working for 12 hours.

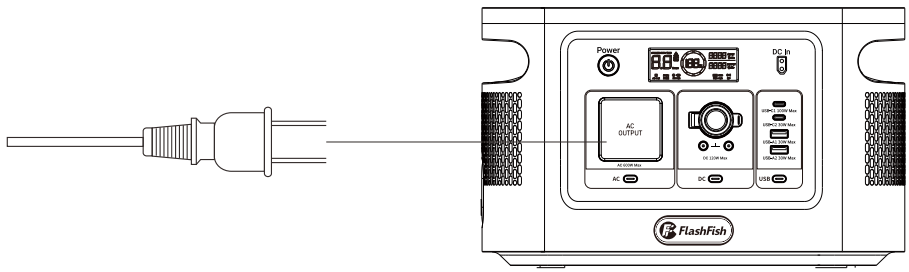


AC Output

1. After starting up, long press AC output switch for 3 seconds to turn on AC output function, "AC-out" will be displayed on the screen.
2. Plug off-mode AC electric devices to AC output socket, and then turn on electric devices.
3. After use, long press AC output switch for 3 seconds to turn off AC output function, then unplug electric devices.

* When remaining electricity(%) is less than 5%, the AC output will be turned off automatically.
* When AC output function running with no load for 6 hours (even more), the AC output will be automatically turned off.
* Short press AC output switch for 3 times to switch frequency from 50Hz to 60Hz (or 60Hz to 50Hz).
* When not using AC output function, please turn off AC output switch to save electricity.
* AC voltage and socket specifications are different in different countries or regions. Before use, please confirm whether this product can fit with your electric devices or not.

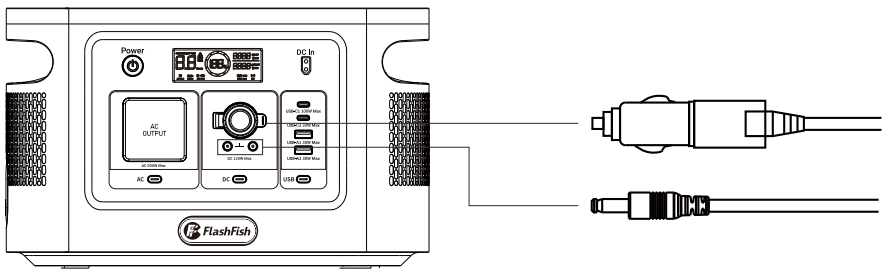
* Don't connect other AC sources to AC output socket of this product.
* Don't charge this product with the output of itself.
* When AC output is short-circuited or the load exceeds the AC output power of this product, protecting function will be triggered. Please eliminate short-circuit parts and remove electric equipment first, then switch off/on again to restore AC output function. Then switch off/on again to restore AC output functions.



DC Output

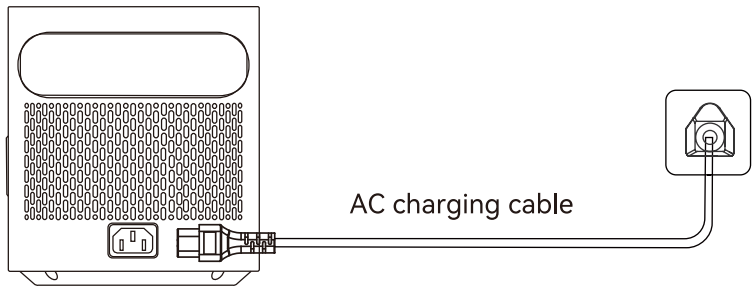
1. After starting up, gently short press the DC output switch to turn on DC output function, and "DC-out" will be displayed on the screen.
2. Connect off-mode DC electric devices to DC output port, and then turn on DC electric devices.
3. Connect off-mode DC electric devices to car charging output port, and then turn on DC electric devices.

* When DC output function running with no load for 6 hours (even more), the DC output function will be automatically turned off.



AC Charging

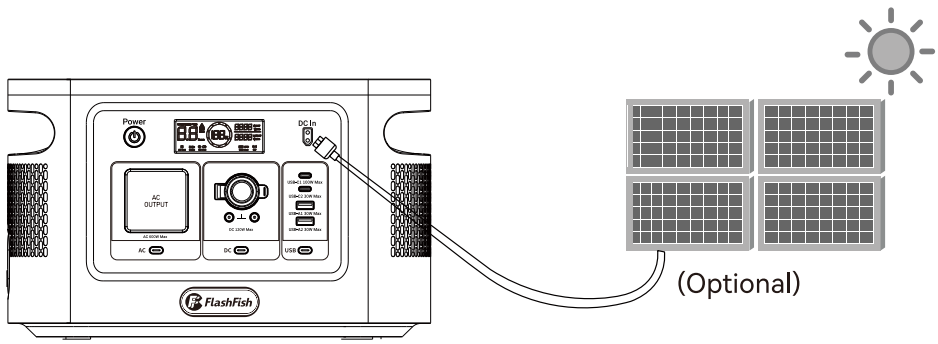
1. Insert the AC interface of the AC charging cable into the AC charging interface of the portable power station, ensuring a secure connection. Then insert the plug of the charging cable into a standard power socket and start charging.
2. Follow the instructions of the charging device to start charging. During the charging process, the LCD display will show relevant charging parameters and images.
3. After the charging is completed, first remove the plug of the AC charging cable, then remove the charging plug from the AC charging interface of the portable power supply. This will complete the charging process.



Solar Charging (Optional)

1. Place solar panels under sunlight.
2. Connect the output plug of the solar panel to the DC charging port, and the charging starts.
3. After charging, please remove the round plug of the solar panel from the DC charging port.

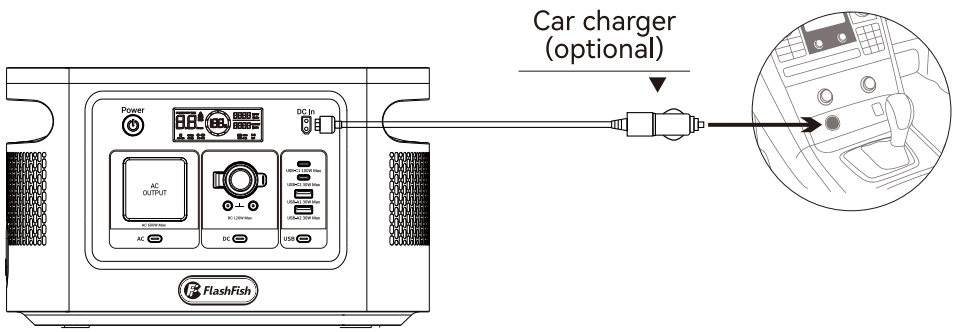
* Do not expose this product to direct sunlight or humid environment.



Car Charging(optional)

1. Connect the plug of the car charger cable to the DC charging port of this product, and then insert the car charger plug into the vehicle's car charger port to start charging.
2. After charging, please remove the car charger first, and then pull the round charging plug out of the DC charging port.

* Do not insert the car charger plug into the car charger port of this product to charge itself.



Attention: To avoid car battery power loss, you should charge this productthrough your car cigarette lighter only when your car engine is started.

Fault Resolution

1. When this product cannot be turned on, and there is no response from DC, AC, USB outputs or LED lights. Below shows solutions:

- Remove all electric devices, charge (input) this product for 5-10 minutes, and restart this product.
- Please make sure this product is used in normal temperature environments.

2. When this product could be turned on, but there is no electricity from DC, AC, USB output ports. Below shows solutions:

- Check if electricity of this product is too insufficient, if so, please charge this product.
- Check if wattage of electric device exceeds output wattage of this product, if so, remove all electric devices, and restart this product.

- Check whether output of this product meets power requirements of your electric devices.
- Check if there is a short circuit between output port and electric device, if so, remove the device and restart this product.

3. When this product shuts down unexpectedly during using. Below shows solutions:

- Activation of the internal protection system causes the product to shut down. Events that may cause activation of protection system include over-charge, over-discharge, high/low temperature, over-current, and short circuit. In order to solve problems quickly, please remove all electric devices, keep the product temperature within normal temperature range, and charge the product for 5-10 minutes. At the same time, check if the electric device is faulty or not. Then restart.

4. If this product cannot be charged, below shows solutions:

- Please confirm whether the charging electrical parameters are within the charging range of this product.
- Check whether this product has activated temperature protection because temperature is too high or too low.

Tips for Maintenance

- It is recommended to use or store this product in environments of 20℃ to 30℃, away from water, heat, and other metal objects.
- For safety reasons, don't store this product in environments above 45℃ or below -20℃.
- For long-term storage, please charge and discharge this product once every 3 months (discharge this product to 30%, charge it to 60%).
- If remaining electricity (%) of this product is lower than 1% after use, please charge it to 60% before storing. If it's stored for long time with electricity is seriously insufficient, it will cause irreversible damage to battery core and shorten the lifespan of this product.

FAQ

Q: How long can this product be stored?

A: After fully charged, it can be stored for 6 months. It is recommended to charge this product once every three months.

Q: How long does it take to fully charge this product?

A: Use AC charging 250W plus DC charging 200W to fully charge in about 60 minutes.

Q: Can this product be used (Output) while charging (input)?

A: This product can be used while charging and input wattage and output wattage are automatically adjusted according to using situations.

Q: Does the product have temperature protection function?

A: It will be protected when internal temperature is higher than 55℃ when charging, and it will be protected when internal temperature is higher than 60℃ when discharging.

Q: Can the product be used to start a car?

A: This product can not be used directly to start a car. However, an accessory charging cable can be used to charge a car's engine battery. Generally, after charging car's engine battery for 5-10 minutes, the car can be started then.

Warranty

Our company provides customers with warranty of 12 months from the date of purchase. Please provide the bottom code of the product as the after-sales certificate.



Email:info@flashfishtech.com

For technical support, after-sales please feel free to contact us

Flashfish Team :
Website: eu.flashfishtech.com
(more contact info could be found on our website)

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