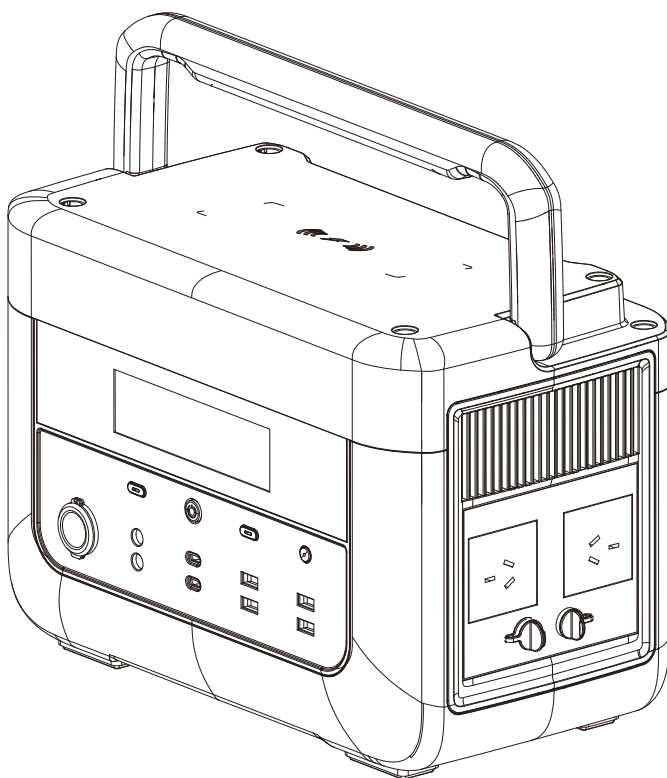


AUSTUFF

POWER STATION

Model: DPS1200L-B MAX-WC



Caution

Before using our power station, please read this manual carefully to understand the proper use of your unit. Keep this manual handy.

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Explanation of the symbols on the product

Symbols are used in this manual to draw your attention to potential hazards. The safety symbols and the accompanying explanations must be fully understood. The warnings themselves will not rectify a hazard and cannot replace proper accident prevention measures.

	Before commissioning, read and observe the operating manual and safety instructions!		The battery charger is only suitable for use indoors.
	Do not use the product in wet conditions! Protect from moisture!		Connection identification
	Observe warnings and safety instructions!		The product complies with the applicable European directives.
	Do not throw old equipment away with household waste		Do not throw Li-ion rechargeable batteries away with household waste
 Attention!	We have marked points in this operating manual that impact your safety with this symbol		

Introduction

Dear Customer,

We hope your new product brings you much enjoyment and success.

Note:

In accordance with the applicable product liability laws, the manufacturer of this product assumes no liability for damage to the product or caused by the product arising from:

- Improper handling
- Failure to comply with the operating instructions
- Repairs carried out by third parties, unauthorised specialists.
- Installing and replacing non-original spare parts
- Application other than specified
- Failure of the electrical system in the event of the electrical regulations and VDE provisions 0100, DIN 57113 / VDE0113 not being observed

Note:

Read through the complete text in the operating manual before installing and commissioning the device. This operating manual should help you to familiarise yourself with your product and to use it for its intended purpose.

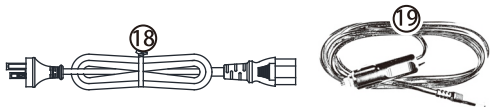
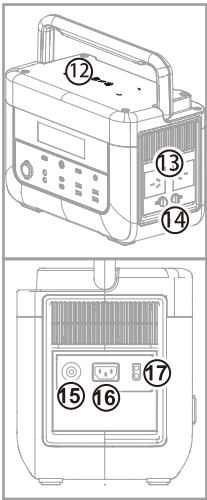
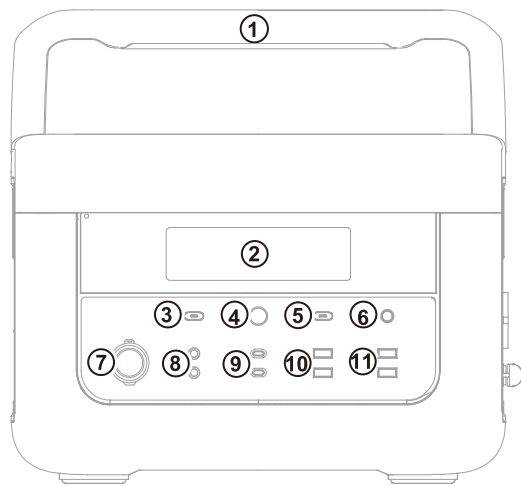
The operating manual includes important instructions for the safe, proper and economic operation of the product, for avoiding danger, for minimising repair costs and downtimes and for increasing the reliability and extending the service life of the product.

In addition to the safety instructions in this operating manual, you must also observe the regulations applicable to the operation of the product in your country. Keep the operating manual package with the power tool at all times and store it in a plastic cover to protect it from dirt and moisture. They must be read and carefully observed by all operating personnel before starting the work.

The product may only be used by personnel who have been trained to use it and who have been instructed with respect to the associated hazards. The required minimum age must be observed.

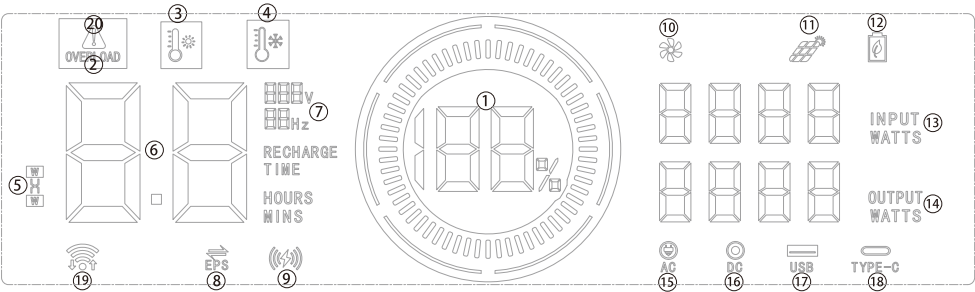
In addition to the safety instructions in this operating manual and the separate regulations of your country, the generally recognised technical rules relating to the operation of such machines must also be observed. We accept no liability for accidents or damage that occur due to a failure to observe this manual and the safety instructions.

Product description



- | | |
|---|--------------------------|
| 1. Transport handle | 11.USB 5V 2.4A output |
| 2. LCD display | 12.Wireless charging |
| 3. DC switch | 13.240V AC output |
| 4. On/off switch with operating display | 14.Parallel interface |
| 5. AC switch | 15.Safety switch |
| 6. Bluetooth/WIFI Switch | 16.AC charging interface |
| 7. vehicle output | 17.DC charging interface |
| 8. DC output | 18.AC power cable |
| 9. Type C output | 19.Vehicle charge cable |
| 10.USB 12V 2A Fast Charge output | |

LCD display



- | | |
|--|---------------------------------------|
| 1. Battery level icon | 10. Fan icon |
| 2. Overload protection icon | 11. Solar or DC charging display icon |
| 3. Heat protection warning icon | 12. Energy-saving mode icon |
| 4. Cold protection warning icon | 13. Charging Power icon |
| 5. Parallel icon | 14. Output power icon |
| 6. Charging or discharging time display icon | 15. AC output icon icon |
| 7. Voltage and frequency display icon | 16. DC output icon icon |
| 8. EPS icon | 17. USB-A icon |
| 9. Wireless charging icon | 18. Type-C icon |
| | 19. Wifi/Bluetooth icon |
| | 20. Warning icon |

Proper use

The Powerstation is designed to charge rechargeable batteries or operate electronic products that do not exceed a max. power of 1200 W.

The product may only be used in the intended manner. Any use beyond this is improper. The user/operator, not the manufacturer, is responsible for damages or injuries of any type resulting from this.

An element of the intended use is also the observance of the safety instructions, as well as the assembly instructions and operating information in the operating manual. Persons who operate and maintain the machine must be familiar with it and must be informed about potential dangers.

In addition, the applicable accident prevention regulations must be strictly observed. Other general occupational health and safety-related rules and regulations must be observed.

The liability of the manufacturer and resulting damages are excluded in the event of modifications of the product.

The product may only be operated with original parts and original accessories from the manufacturer. The safety, operating and maintenance specifications of the manufacturer, as well as the dimensions specified in the technical data, must be observed.

Please note that our products were not designed with the intention of use for commercial or industrial purposes. We assume no guarantee if the product is used in commercial or industrial applications, or for equivalent work.

Safety instructions

DANGER

A failure to observe these instructions poses an extreme danger of death or the risk of life-threatening injuries.

NOTE

Personal injury or property damage can result from incorrect operation.

General safety instructions

DANGER

- Please do not disassemble, repair or transform, which may cause electric shock, heat, fire and other dangers.
- Do not place the product near the source of fire or expose it to fire or heat as this could result in fire, burns, and other hazards.
- The equipment or accessory that are connected to the USB shall comply with the standard EN62368-1.

-
- This product cannot be charged and used in dew, bathhouse, rain and other places; do not use water to clean the product, it will cause electric shock, heat, fire and other dangers.
 - Do not touch this product or connector plug when your hands are wet. It may cause electric shock hazard.
 - Do not use metal to contact AC output interface. It may cause electric shock, fever, fire and other dangers.
 - Please do not dispose of the product in general waste disposal. Electricity shock, heat and fire may occur in the garbage collection truck or in the garbage collection truck.
 - Do not use AC connections other than those specified. It may cause electric shock, fever, fire and so on.
 - Please check the rated specifications of the connection interface or the connection product and do not exceed the specifications. It may cause electric shock, fever, fire and so on.
 - Please do not have a strong impact on the product such as a drop or a hammer strike. This can result in an electric shock, heating up, fire or damage to the product.
 - Do not place, store and use the product at locations where it can fall down or drop (e.g. on high shelves). This can result in an electric shock, heating up, fire or damage to the product.
 - Do not move the product, while it is charging or in use. Heating up, fire, electric shock or damage can be caused to the product due to vibrations or impacts while moving.
 - When in use, ensure that the connected product is reliably grounded. Improperly grounded devices may pose a serious threat to your life and property.

⚠ Warning!

- Please keep the place clean for use and storage. Powder or small metal contact terminal may cause short circuit, accidents such as smoke or fire.
- Make sure to check the product before use. In the case of anomalies such as breakages, cracks, leaks, heating up or breakage of the AC power line, please stop using the product immediately.
- Do not let children use this product or it may cause accidents or injuries.
- Do not use if a connector cannot be fully inserted due to a loose or deformed interface. Otherwise, electric shocks, heating up and fire can be caused.
- Please do not use it on the beach or in dusty places. Or it may cause smoke, fire.
- Please do not use and keep in the car, trunk, loading table or high temperature place under direct sun-light. Otherwise, it may cause product failure obstacles or deterioration or cause fever.
- If the liquid within the product adheres to the skin or clothing, please wash with water immediately. Otherwise may cause the skin injury and so on. Wash the liquid out of the eyes. After washing with clean water, please see a doctor immediately. It may cause the risk of blindness.
- In the event of a thunderstorm or lightning strike, pull the power cord out of the socket while charging. Overload can lead to overheating, fire, and other accidents.
- Please charge the product within the specified voltage range (100- 240 V alternating current). Otherwise, heat, fire, and other accidents may result.
- Please do not place the product upside down or on its side when using and storing it, otherwise it may cause leakage, heat, fire and other hazards.

Note

- Stop using the product immediately if any abnormalities such as rust, unusual smell, heating, etc. appear.
- When transporting the product by a car, etc., please fix it so that it cannot be moved. Otherwise, the product may be damaged, resulting in electric shock, heat, fire, etc.
- Do not allow this product or the power cord to come into contact with water or other liquids. This may lead to short circuits, heat, fire, etc.
- Charge, use and store this product at temperatures between 0 and 40°C, otherwise loss of power or heating up may occur.
- In the event of an accidental drop or impact, the housing could be damaged by electric shock, heat, fire, etc. Please stop using the product immediately. To avoid accidents, immediately contact the installation and maintenance personnel responsible on site.
- Read through the operating instructions completely before connecting the electrical products. Operating errors can lead to accidents or injuries.
- Before connecting electrical products, ensure that electrical products are switched off. A sudden start of electrical products can result in accidents or injuries.
- Make sure to turn off the main switch during storage to avoid unnecessarily discharging the battery and avoiding electric shock.

ATTENTION!

This power tool generates an electromagnetic field during operation. This field can impair active or passive medical implants under certain circumstances. In order to prevent the risk of serious or deadly injuries, we recommend that persons with medical implants consult with their physician and the manufacturer of the medical implant prior to operating the machine.

Residual risks

The product has been built according to state-of-the-art and the recognised technical safety rules. However, individual residual risks can arise during operation.

- Health hazard due to electrical power, with the use of improper electrical connection cables.
- Furthermore, despite all precautions having been met, some non-obvious residual risks may still remain.
- Residual risks can be minimised if the "Safety Instructions" and the "Intended Use" together with the operating manual as a whole are observed.
- Avoid accidental start-ups of the machine: The operating button may not be pressed when inserting the plug in a socket. Use the tool that is recommended in this operating manual. This is how to ensure that your machine provides optimum performance.

Technical data

Model	DPS1200L-B MAX-WC	
Power output for AC output	Rated voltage	240 V
	Nominal power	1200 W
	Frequency	50 Hz
Power output for 12V DC output	Rated voltage	12V
	Rated current	max. 5 A
	Required connector	Coaxial power connector
Power output for USB-A output	Rated voltage	5 V
	Rated current	2.4 A
	Nominal power	12 W
Power output for USB-A QUICK CHARGE	Rated voltage	5V/9 V/12 V
	Rated current	3 A/2.2 A/2 A
	Nominal power	24 W
Power output for Type-C output	Quick charge	PD3.0
	Rated voltage	5V/3A; 9V/3A; 12V/3A; 15V/3A;;20V/5A
	Max. power	100 W
Power output for 12V vehicle output	Rated voltage	12 V
	Rated current	10 A
	Nominal power	120 W
Power supply	Rated voltage	240 V / AC
	Rated current	3.5 A
	Nominal power	800 W
	Input voltage	195-264 V
	Frequency	50 Hz
Li-ion battery	Rated voltage	25.6 V
	Battery capacity	1075 Wh
	Voltage	20 - 28.8 V
Working conditions	Air humidity	10% - 90%
	Operating temperature	-10°C to 40°C
General	Protection category	IP 20
	Protection class	I

Unpacking

- Open the packaging and carefully remove the product.
- Remove the packaging material, as well as the packaging and transport safety devices (if present).
- Check whether the scope of delivery is complete.
- Check the product and accessory parts for transport damage. In the event of complaints the carrier must be informed immediately. Later claims will not be recognised.
- If possible, keep the packaging until the expiry of the warranty period.
- Familiarise yourself with the product by means of the operating manual before using for the first time.
- With accessories as well as wearing parts and replacement parts use only original parts. Spare parts can be obtained from your specialist dealer.
- When ordering please provide our article number as well as type and year of manufacture for the product.

⚠ ATTENTION!

The product and the packaging material are not children's toys! Do not let children play with plas-tic bags, films or small parts! There is a danger of choking or suffocating!

Charging

⚠ NOTE: The product is not fully charged when delivered. We recommend fully charging the product before initial use.

While charging, the ring symbol on the LCD display is in a dynamic state. After fully charging the battery, the display symbol is in the static state.

⚠ Note: Please make sure that the connected electrical products can work properly before using this product.

⚠ Note: It is normal for the product to warm up while charging.
Regular discharging and charging increases the service life.

⚠ Note: Ensure that the cabling is properly inserted otherwise the contact terminals could melt or catch fire at high temperatures.

⚠ Note: Charge the product at an ambient temperature of 0 to 40°C.

Charging with the mains power unit

Always use the mains power unit supplied with the product.

- Press the ON/OFF switch with operating indicator until it lights up green. The LCD display is visible.
- Connect the input plug of the AC power cable to a wall outlet, and the other end is connected to the AC charging input port of the product.

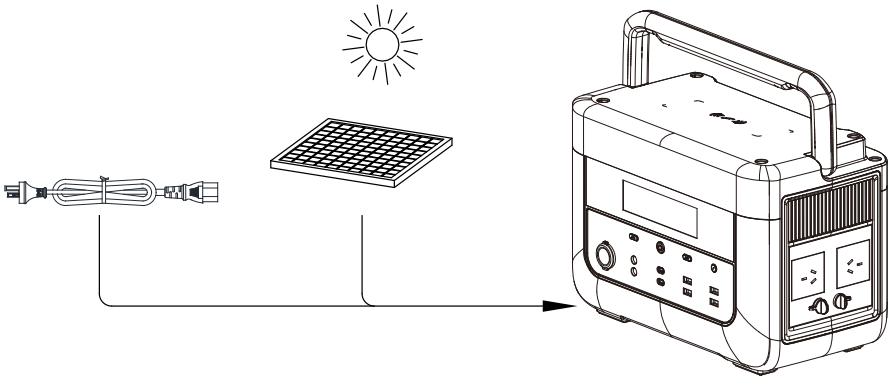
- You can read the charge status on the LCD display.
- When the Powerstation is fully charged, the charging process is ended automatically.
- As soon as the Powerstation is fully charged, switch the product off and disconnect the mains power unit from the power connection.

Charging with a solar panel (not included in the scope of delivery)

- Press the ON/OFF switch with operating indicator until it lights up green. The LCD display is visible.
- Place your solar panel where it can get as much direct sunlight as possible.
- Connect the solar panel to the charging socket.
- You can read the charge status on the LCD display.
- When the Powerstation is fully charged by the solar panel, the charging process is ended automatically.
- Disconnect the solar panel from the Powerstation and switch it off.

⚠ Note: You can link several solar panels to each other in order to shorten the charging time. The Powerstation is able to absorb 400W of charging power. The off-load voltage of the solar panel should be between 12V and 60V. Otherwise, the overvoltage protection of the charging process can be triggered or cause damage.

⚠ Note: The charging time is different when light intensity is different.



Charging via the vehicle output (cigarette lighter) in a vehicle

Ensure that the vehicle engine is running.

- Connect the Powerstation and the 12 volt socket (cigarette lighter) of your vehicle using the car charger cable.
- Charge the Powerstation after starting the vehicle. You can read the charge status on the LCD display.
- When the Powerstation is fully charged, the charging process is ended automatically.
- Disconnect the car charger cable from the Powerstation when fully charged.

Description of the various connections and the display

Connections

This product is equipped with 3 function outputs, namely the AC area, DC area and USB area.

- **Type-C output** : smart phones, tablets, etc.
- **USB 5V 2.4A output** : smartphone, MP3 player, digital camera, electronic reader, tablet, etc.
- **USB 12V 2A Fast Charge output** : Smartphone, MP3 player, digital camera, electronic reader, tablet, etc. (provided these devices support fast charging)
- **DC output** : mainly used for LED light bulb lighting.
- **240V AC output** : Notebook, camera, display devices and other working devices for the alternating current supply with a max. power of 1200 W.
- **vehicle output** : Camping equipment with 12V connection such as kettles, camping refrigerators, travel coffee machines, camping cool boxes.

⚠ **Note:** The direct current output (DC is suitable for most products on the market. Some products with high current can trigger the overload protection .

⚠ **Note:** Devices with a power rating of more than 1200 W must not be operated with this Powerstation.

Display

Battery level (1)	Displays the battery charge status in segments (0-10%, 11-20%, 21-30%, 31-40%, 41-50%, 51-60%, 61-70%, 71-80%, 81-90%, 91-100%). In addition, the charge status is displayed as an exact percentage. When the Powerstation is charging, the segments rotate by the percentage.
Overload protection (2)	In AC mode, once the rated power is exceeded for too long or the peak power is exceeded, a warning sign with "overload" will appear.
Heat protection warning (3)	The fan symbol switches on for cooling after some time in AC mode.
Cold protection warning (4)	A thermometer with a snowflake is displayed if the Powerstation becomes too cold due to external influences
Parallel icon (5)	Only when there is no city power access and the AC button triggers the parallel mode can be displayed, the rest of the time is not displayed (the default is turned off when starting)
Charging and discharging time display (6)	When the device has charging current, the RECHARGE TIME icon is steady on and displays the corresponding remaining charging time. When the device is discharging, the RECHARGE TIME icon is not displayed, only the remaining discharge time displayed
Voltage and frequency display (7)	When AC is turned on, the screen displays the corresponding output voltage level and frequency
EPS (8)	When the mains is connected and the AC output is on, the icon is always on
Wireless charging (9)	If the device has this function, the icon is steady on. If the device does not have this function, the icon is not displayed
Fan (10)	When the inverter is loaded, the temperature of the inverter is $\geq 45\pm 5^{\circ}\text{C}$, and the fan starts to work, the inverter temperature is $\leq 40\pm 5^{\circ}\text{C}$, the fan stops. When the inverter is unloaded, the inverter temperature is $\geq 70\pm 5^{\circ}\text{C}$, and the fan starts to work. The inverter temperature $\leq 65\pm 5^{\circ}\text{C}$, the fan stops. The DC output power is higher than 100W then need to start the fan.
Solar or DC charging display (11)	When a solar device or DC is charging the device, the icon is on
Energy-saving mode (12)	If you press the DC button for more than 10 seconds, the icon will be steady on and enter the energy saving mode. If you press the DC button again, the icon will disappear and the energy saving mode will close. When the energy saving mode is on, the DC automatically shuts down after 12 hours (power less than 2W), and the AC automatically shuts down after 12 hours (power less than 5W).
charge power (13)	The input charging power is indicated by "INPUT".
Output charge power (14)	The total output power is indicated by "OUTPUT".
AC output (15)	The AC inscription and a plug symbol indicate that the 240V output is active.
DC output (16)	A socket symbol and the DC inscription indicate that the 12V DC outputs and the 12V vehicle output are active.
USB-A (17)	A USB-A symbol and the USB inscription indicate that the USB-A outputs are active.
Type-C (18)	A type-C symbol and the type-C inscription indicate that the type-C output is active.
Wifi/Bluetooth (19)	After power on, if the module has distribution network information and can connect to the cloud, this icon will be steady on. If there is no connection, this icon will not be displayed. If you press the network distribution button for more than 5 seconds, the icon blinks, indicating that the device can be reconfigured

Start up

⚠ **Note:** If certain connections are not used, switch them off to save power. To do this, press the DC button with operating indicator or AC button with operating indicator.

Bluetooth APP operating instructions

APP interface Description

After installing the APP, open it directly, and allow all involved in it. Go to the home page and wait for adding devices; Figure 1 below

Bluetooth connection instructions

Conditions: The Bluetooth connection of the user's mobile phone should be kept within 30 meters, and the mobile phone should not be too far away from the power station when connecting; Prevents unsuccessful connections.

1. Turn on the power station with Bluetooth function and SOC (power display) is $\geq 0\%$, press the icon with WIFI sign for $\geq 5S$. Until the machine screen displays the following Figure 2 icon flashes, it can be Bluetooth connected to your phone.
2. Turn on Bluetooth , click the device on the home page of the APP, and the page of Bluetooth and WIFI will pop up.
3. Enter the mobile phone authorization, pop-up to allow Bluetooth or WiFi to be turned on, select Allow, after opening, wait to search for nearby devices in the distribution network state, and click Add, as shown in Figure 3

Select connection control mode

Bluetooth close range control mode

Mobile phone distance with APP function of the power station (within 30 meters), and in the case of the machine without shielding, close up individual Bluetooth connection mode, click skip to switch the Bluetooth connection mode, as shown in Figure 4 below

- Click the next step as shown in Figure 5 for Bluetooth connection.
- After the connection, the connection success message as shown in Figure 6 will pop up. Click Finish, indicating that the Bluetooth connection is successful.
- After the connection is successful, the interface shown in Figure 9 will be automatically displayed. Successfully connected to this Bluetooth control mode



WiFi remote control mode

You can switch to WIFI remote control mode after connecting Bluetooth close mode successfully. Can also direct WiFi remote control connection; (Mode 2 remote control must be within the range of WIFI coverage);

- First of all, WIFI must be turned on when Bluetooth is turned on, and the WIFI that can be connected to the Internet, as shown in Figure 7 below.
- Directly click Next to wait for the distribution network, the distribution mode is the same as the Bluetooth proximity control mode, until the connection is successful, as shown in above Figure 5 and Figure 6, the WIFI Bluetooth remote control mode is successfully connected; Just disconnect WIFI and wait about 1 minute to switch back to Bluetooth proximity control mode.

Two connection modes switch

Bluetooth connection Switch /WiFi remote connection

- After the Bluetooth connection is successful, you can also switch the WiFi connection, turn on the WIFI, and successfully connect the WIFI that can be connected to the normal Internet, and then the remote control can be successfully connected, as shown in Figure 6 , back to the home page , the remote connection switch is successful
- After switching the remote control successfully, return to the home page to refresh, disconnect WIFI and Bluetooth directly using the data network can also achieve remote control. After the switch is successful, even if you exit the smart life APP, as long as you do not delete the connected device, re-enter the APP is still connected.

Display illustrate

WIFI icon display

If the user turns on the power station device with SOC≥0% and no WIFI icon is displayed, press the WIFI icon ≥5S to activate the WIFI icon. Wait for the WIFI icon on the panel to start blinking, and then connect your phone's Bluetooth.

- If the WIFI icon flashes after the device is turned on, it indicates that the device has successfully connected to the APP. Just turn on the Bluetooth connection.
- If the Wi-Fi icon continues to light up when the device is turned on, it indicates that someone has connected to the device. Disconnect or press the WIFI icon button for ≥5S. Reset and reconnect Bluetooth.

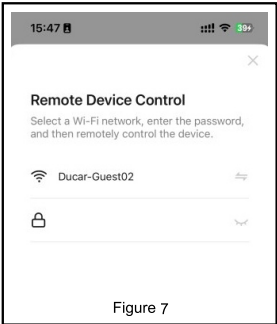


Figure 7

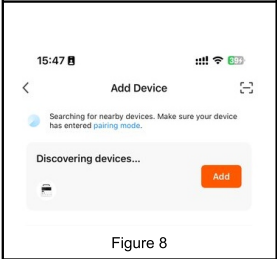


Figure 8

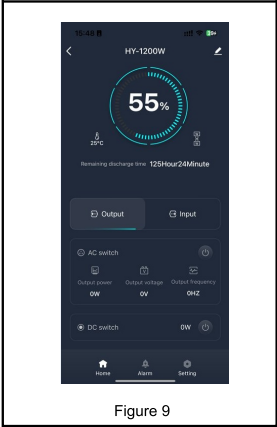


Figure 9

Connection success display

The user follows the above connection instructions and the WIFI icon on the power station screen lights up, the connection is successful. Connect APP must have Bluetooth on to connect.

5.3 SOC Display (Power Display)

After the connection is successful, the SOC power and power station screen display the same number (including the color dot outside the SOC), when the SOC $\leq$ 10; The outer ring on the APP turns red, and the outer ring on SOC > 10 turns blue, as shown in Figure 10 below.

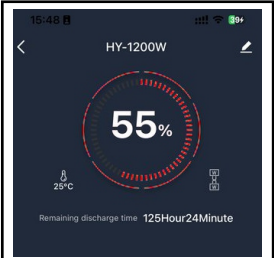


Figure 10

ATTENTION: When using the respective consumer, select the appropriate output depending on the required type of current for the consumer to be operated.

Switching the product on and off

Switching on:

1. Press the ON/OFF switch with operating indicator until the operating indicator lights up green.
2. The LCD display is visible.

Switching off:

1. Keep the on/off switch with operating display pressed for a few seconds.
2. The operating display and the LCD display go out.

⚠ **Note:** The LCD display goes out automatically after a certain amount of time without operation. Press the ON/OFF switch with operating indicator briefly to switch the LCD display on again.

⚠ **Note:** If the DC / AC buttons are switched off and no consumer is connected to the USB-C connection, the product is shut down automatically after 120 minutes to save power.

⚠ **Note:** You can switch the display lighting on or off with a short press of the ON/OFF switch with operating indicator.

⚠ **Note:** Always remember to turn off the product when not in use.

Supplying the consumer with direct current

Press the DC button with operating indicator to supply the products with direct current.

1. Insert a consumer into the corresponding output.
2. With the product switched on, press the DC button with operating indicator to switch on the DC output, the 12V vehicle accessory power output and the USB connections.
3. The corresponding operating indicator lights up and the display symbols for DC and USB are displayed on the LCD display.
4. The corresponding output can now be used.
5. Press the DC button with operating indicator again to switch off the DC, the vehicle accessory power output and the USB connections.
6. The corresponding operating indicator goes out and the display symbols for DC and USB are no longer displayed on the LCD display.

Supplying the consumer with alternating current

Press the AC button with operating display to supply the products with alternating current.

1. Insert a consumer into the corresponding output.
2. With the product switched on, press the AC button with operating indicator to switch on the AC outputs.
3. The corresponding operating indicator lights up green and the display symbol for AC is displayed on the LCD display.

-
4. The fan also switches on when the temperature rises and the corresponding display symbol is displayed on the LCD display.
 5. The output can now be used.
 6. Press the AC button with operating indicator again to switch off the AC outputs.
 7. The operating indicator goes out and the display symbol for AC is no longer displayed on the LCD display. The display symbol of the fan disappears as soon as the device has cooled down again.

⚠ **Note:** You can read the total consumption of your consumers on the LCD display. The value indicates how much power your products draw from the Powerstation.

Overload protection

The power station is equipped with overload protection.

1. Disconnect the consumer from the product which triggers the overload protection.
2. Switch the product off and on again to acknowledge the error.
3. Then the product can be used as usual.

⚠ **Note:** If possible, keep your portable power station fully charged before long-term non-use. Otherwise it can negatively affect the service life of the battery.

Electrical connection

The connection complies with the applicable VDE and DIN provisions. The customer's mains connection as well as the extension cable used must also comply with these regulations.

Important information

In the event of overloading, the product switches itself off. After a cool-down period (time varies), the product can be switched back on again.

Damaged electrical connection cable.

The insulation on electrical connection cables is often damaged.

This may have the following causes:

- Pressure points, where connection cables are passed through windows or doors.
- Kinks where the connection cable has been improperly fastened or routed.
- Places where the connection cables have been cut due to being driven over.
- Insulation damage due to being ripped out of the wall outlet.
- Cracks due to the insulation ageing.

Such damaged electrical connection cables must not be used and are life-threatening due to the insulation damage.

Check the electrical connection cables for damage regularly. Ensure that the connection cables are disconnected from electrical power when checking for damage. Electrical connection cables must comply with the applicable VDE and DIN provisions. The printing of the type designation on the connection cable is mandatory.

Cleaning

Attention!

Switch the product off before performing any cleaning work.

We recommend that you clean the product directly after every use.

Wipe dust off the product from time to time with a dry cloth. Do not use any cleaning products or solvents; they could attack the plastic parts of the product. Make sure that no water can penetrate the interior of the product.

Transport

⚠ **Note:** When transporting, make sure that the product is switched off and no consumers are connected. For a short transport distance, carry the product by the transport handle. If transporting the product with a car or similar, please ensure that the product does not move during transport. Otherwise, the product can be damaged. This can lead to electric shock, heating up, fire etc.

Storage

Store the product and its accessories in a dark, dry and frost-free place that is inaccessible to children. The optimum storage temperature lies between 0 and 40 °C. Store the product in its original packaging. Cover the product to protect it from dust or moisture. Store the operating manual with the product.

Do not store the product in the car, boot, loading platform or in other hot locations in direct sunlight. It may cause the product failure, degradation or thermal problem.

Please fully charge the product before storage. To prevent a deep discharge, the product must be charged every 3 months even if not in use.

Maintenance

There are no parts on the product that require maintenance. Have tasks that are not described in these operating instructions carried out by our service centre.

Repairs

Repair work on the electrical equipment may only be carried out by electricians.

Disposal and recycling

Notes for packaging



The packaging materials are recyclable. Please dispose of packaging in an environmentally friendly manner.

Notes on the electrical and electronic equipment act [ElektroG]



Electrical and electronic appliances do not belong in household waste, but should be collected and disposed of separately.

- Used batteries or rechargeable batteries that are not installed permanently in the old appliance must be removed non-destructively before disposal. Their disposal is regulated by the battery act.
- Owners or users of electrical and electronic devices are legally obliged to return them after use.
- The end user is responsible for deleting their personal data from the old device being disposed of!
- The symbol of the crossed-out dustbin means that waste electrical and electronic equipment must not be disposed of with household waste.
- Waste electrical and electronic equipment can be handed in free of charge at the following places:
 - Public disposal or collection points (e.g. municipal works yards)
 - Points of sale of electrical appliances (stationary and online), provided that dealers are obliged to take them back or offer to do so voluntarily.
 - Up to three waste electrical devices per type of device, with an edge length of no more than 25 centimetres, can be returned free of charge to the manufacturer without prior purchase of a new device from the manufacturer or taken to another authorised collection point in your vicinity.
 - For additional take-back conditions of the manufacturers and distributors, please contact the respective customer service.
- In the case of delivery of a new electrical device by the manufacturer to a private household, the latter may arrange for the free collection of the old electrical device upon request from the end-user. Get in contact with the manufacturer's customer service.
- These statements only apply to devices installed and sold in the countries of the European Union and which are subject to the European Directive 2012/19/EU. Different provisions may apply to the disposal of electrical and electronic appliances in countries outside the European Union.

Information on the battery act [BattG]



Used batteries and rechargeable batteries do not belong in household waste, but should be collected and disposed of separately.

- For safe removal of batteries or rechargeable batteries from the electrical device and for information on their type or chemical system, please refer to the additional information in the operating or assembly instructions.
- Owners or users of batteries and rechargeable batteries are legally obliged to return them after use. The return is limited to household quantities.
- Used batteries may contain pollutants or heavy metals that can harm the environment or human health. Recycling used batteries and using the resources they contain helps to protect these two important issues.
- The symbol of the crossed-out dustbin means that batteries and rechargeable batteries must not be disposed of with household waste.
- If the signs Hg, Cd or Pb are also located below the dustbin symbol, this stands for the following:
 - Hg: Battery contains more than 0.0005 % mercury
 - Cd: Battery contains more than 0.002 % cadmium
 - Pb: Battery contains more than 0.004 % lead
- Rechargeable batteries and batteries can be returned free of charge to the following places:
 - Public disposal or collection points (e.g. municipal works yards)
 - Sales points for batteries and rechargeable batteries
 - Take-back points of the common take-back system for old device batteries
 - Take-back point of the manufacturer (if not a member of the common take-back system)
- These statements are only valid for rechargeable batteries and batteries sold in the countries of the European Union and subject to the European Directive 2006/66/EC. Different provisions can apply to the disposal of rechargeable batteries and batteries in countries outside the European Union.

Removing the battery before disposing of the device

- The integrated battery must be removed and disposed of separately in an environmentally friendly manner before disposing of the device.
- Mask off the contacts and package the battery such that it cannot move in the packaging. Please also observe any further national regulations.

Troubleshooting

The following table shows fault symptoms and describes remedial measures in the event of your product failing to work properly. If you cannot localise and rectify the problem with this, please contact your service workshop.

Fault	Possible cause	Remedy
Device does not work or not as expected	Overheating protection	Check the ambient temperature. Output is restarted when the generator cools down.
	Battery over-current protection	Disconnect the product from the power connection and carry out commissioning again.
	Battery charging protection	Contact the customer service department.
	Protection at low discharge temperatures	Check the ambient temperature to see if it is lower than -10°C.
	Battery low voltage protection	Charge the product in good time, restart after it has fully charged.
	Power inverter overcurrent protection	Check if the AC output is overloaded or short-circuited.
	Power inverter overload protection	Check if the AC output is overloaded.
	Power inverter short-circuit protection	Check if the AC output is overloaded or short-circuited.
	Protection against overvoltage while charging	Check whether the input voltage exceeds the maximum input voltage.
	Battery overheat protection	Check if the ambient temperature is higher than 40°C. Allow the product to cool down.

Error code	Possible cause	Remedy
F001	Defective power amplifier	Contact the customer service department.
F002	BMS failed to communicate with the main control	Contact after sales service.
F003	Fan stuck	Check whether the fan is stuck and whether the cable is connected properly.
F004	Power amplifier overheated	Switch off the Powerstation and let it cool down. Check the functionality of the fans if necessary.
F005	External short-circuit or overload	Switch off the Powerstation and let it cool down. Check the functionality of the fans if necessary.
F006	Inverter hardware protection	Check whether the AC output is within the rated operating range of the device.
F007	Output voltage of the power amplifier too low	Remove the connected consumer, switch off the Powerstation and restart.
F008	Low voltage	Recharge the power station.
F009	The output voltage of the city power does not match with the power station	Check the output of the city power and read the instructions carefully to ensure that the connected city power signal is consistent with the instructions.
F010	The output frequency of the city power does not match with the power station	Check the output of the city power and read the instructions carefully to ensure that the connected city power signal is consistent with the instructions.
F011	AC output overload	Check whether the AC output power is too high and reduce the load.
F013	DC charging over-voltage	Check whether the Solar/Car input voltage exceeds 60V and reduce the DO input voltage.
F015	DC 12V or cigarette lighter output is overloaded or short-circuited	Check whether the 6514 interface or cigarette lighter is short-circuited or overloaded.

AUSTUFF

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