

# **+REmco**

## **LITHIUM** Power Station

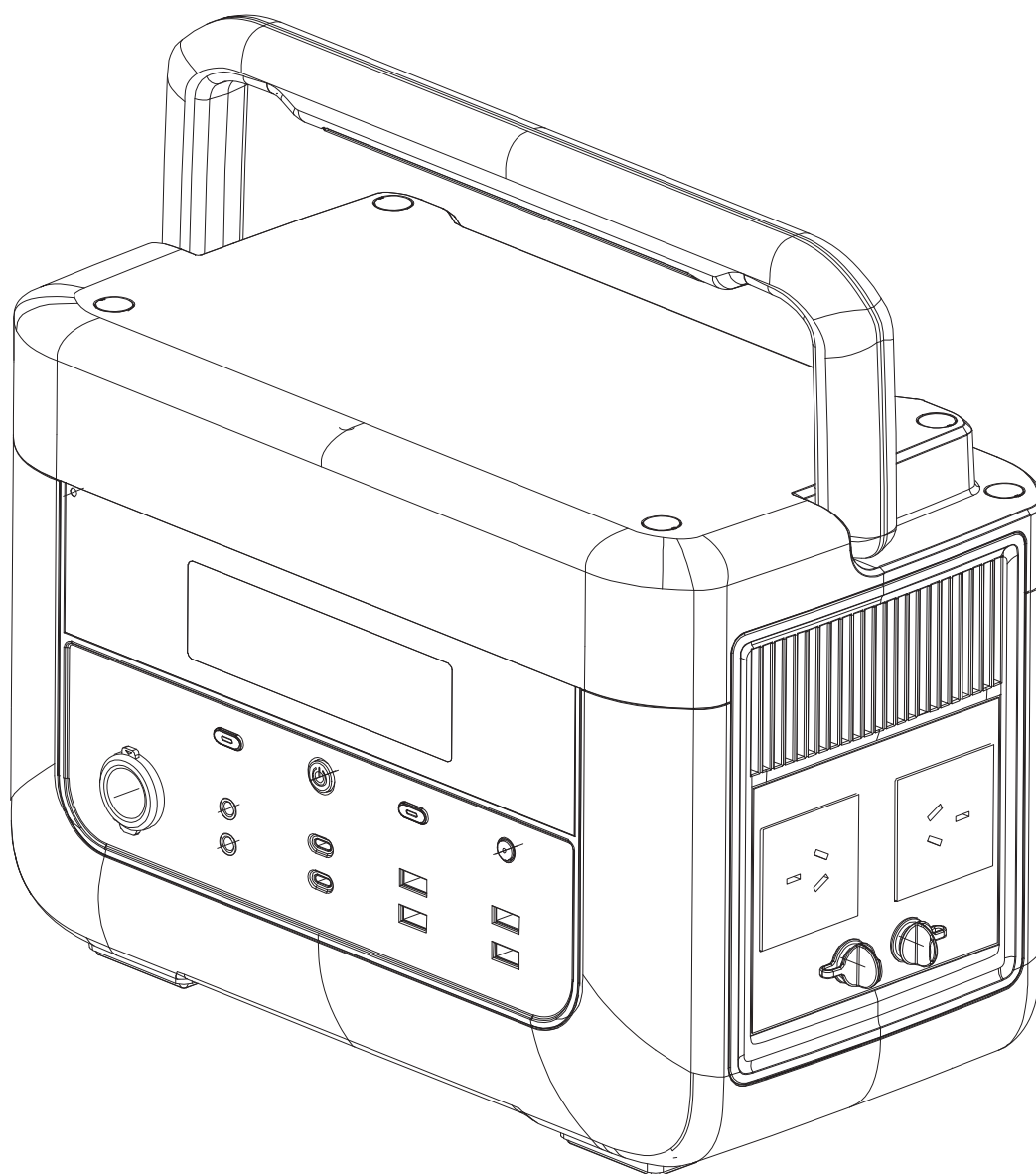


## ENERGY ANYWHERE

# Power Station



MODEL: RM-1200PS



## 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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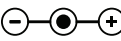





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## Explanation of the symbols on the product

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.

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

## Introduction

### Dear Customer,

We hope you enjoy your new Remco Power Station.

### 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.

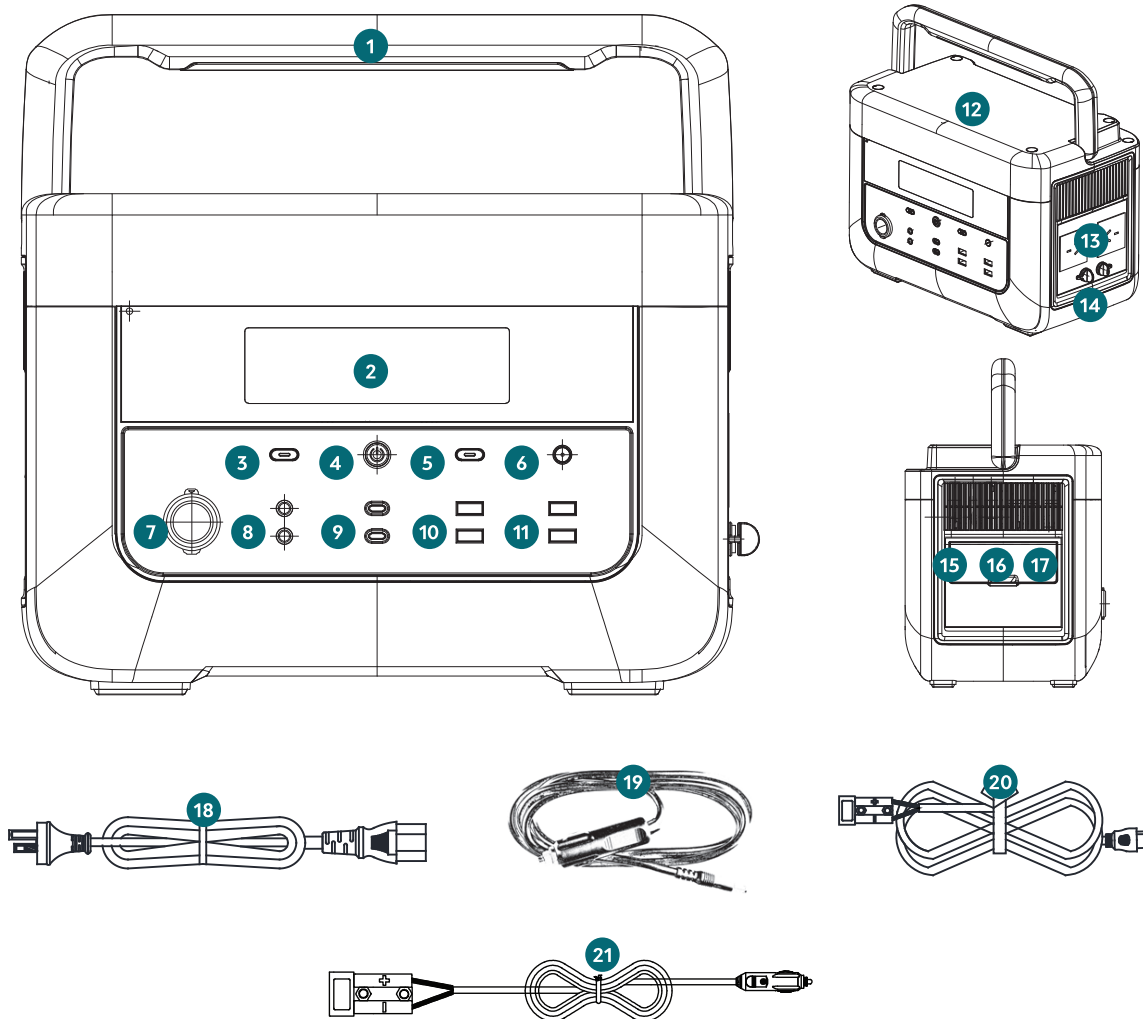
The operating manual includes important instructions for the safe, proper and economic operation of the product, for avoiding danger, for minimising repair costs and downtimes and for increasing the reliability and extending the service life of the product.

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.

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.

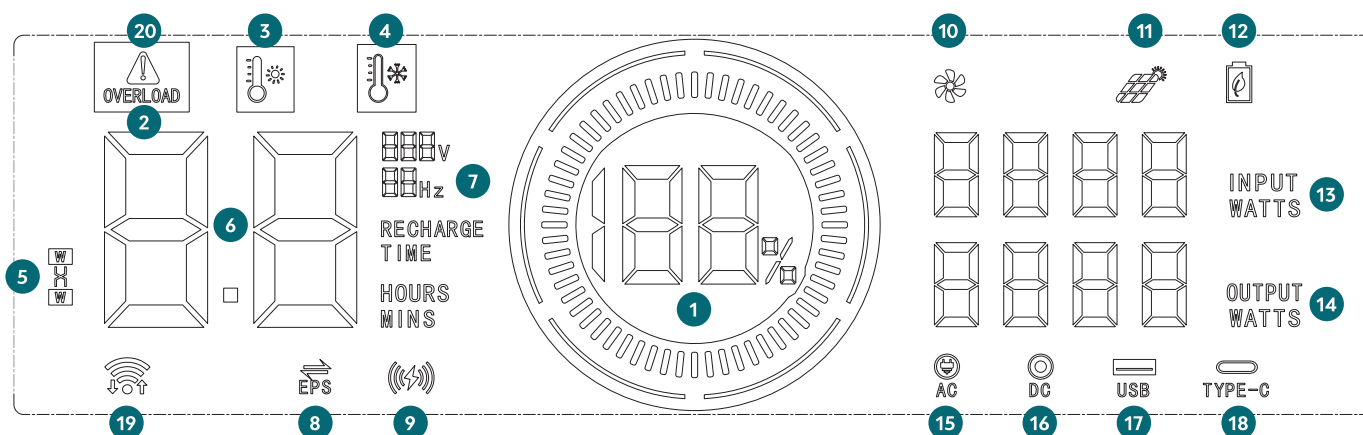
We accept no liability for accidents or damage that occur due to a failure to observe this manual and the safety instructions.

## Product description



- |   |   |
|---|---|
| 1. Transport handle                     | 12. Wireless charging                         |
| 2. LCD display                          | 13. 240V AC output                            |
| 3. DC switch                            | 14. Parallel interface                        |
| 4. ON/OFF switch with operating display | 15. Safety switch                             |
| 5. AC switch                            | 16. AC charging interface                     |
| 6. Bluetooth/WIFI Switch                | 17. DC charging interface                     |
| 7. ACC socket output                    | 18. AC power cable                            |
| 8. DC output                            | 19. Vehicle charge cable                      |
| 9. Type C output                        | 20. Solar charging cable                      |
| 10. USB 12V 2A Fast Charge output       | 21. ACC plug - 50 AMP connector adapter cable |
| 11. USB 5V 2.4A output                  |   |

## LCD Display



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



## 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 Power Station 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	A thermometer with a sun is displayed if the Power Station becomes too hot due to external or technical influences.
Cold protection warning 4	A thermometer with a snowflake is displayed if the Power Station 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 DC outputs and the 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.
Warning Icon 20	When the device fails, the warning icon light will display, the screen will show the failed code.



## Proper use

The Power Station 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 charging this Power Station from the mains AC power supply, ensure the main AC supply is with an earth/ground point, and an overload circuit breaker.
- Please ensure the connected devices are in good working conditions, otherwise it may cause the power station failure, damage, and cause losses.

### **WARNING!**

- Please keep the area clean around the power station during use. Dust or small metal objects can come in contact with terminals and may cause short circuit, 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 sunlight. Otherwise, it may cause product failure obstacles or deterioration or cause overheating.
- 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 personal injury.
- Please charge the product within the specified voltage range (100- 240 V alternating current).
- Please do not place the product upside down or on its side when using and storing it, as this may damage the power station and cause personal injury, or 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 and use 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. Have the power station checked by a technician before use.
- 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 Station 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.

## Technical data

Model	RM-1200PS	
Power output for AC output	Rated voltage	240V
	Nominal power	1200W
	Frequency	50Hz
Rated voltage 12V Power output for 12V DC	Rated voltage	12V
	Rated current	max. 5 A
	Required connector Coaxial power connector	
Power output for USB-A output	Rated voltage	5V
	Rated current	2.4A
	Max power	12W
Power output for USB-A QUICK CHARGE	Rated voltage	5V / 9V / 12V
	Rated current	3A/ 2.2A /2A
	Max power	24W
Power output for Type-C output	Quick Charge	PD3.0
	Rated voltage	5V/3A; 9V/3A; 12V/3A; 15V/3A;20V/5A
	Max. power	100W
Power output for 12V vehicle output	Rated voltage	12V
	Rated current	10A
	Nominal power	120W
Power input - AC input	Rated voltage	240 V / AC
	Rated current	3.5A
	Nominal power	800W
	Input voltage	195-264V
	Frequency	50Hz
Power input - DC/Solar input	Rated voltage	12V-60V DC
	Max power	400W
Li-ion battery	Rated voltage	25.6V
	Battery capacity	1075 Wh
	Voltage	20 - 28.8V
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 the product and accessory parts for transport damage. In the event of damage, please contact place of purchase for further instruction.
- 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 plastic 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 AC power cable supplied with this Power station.

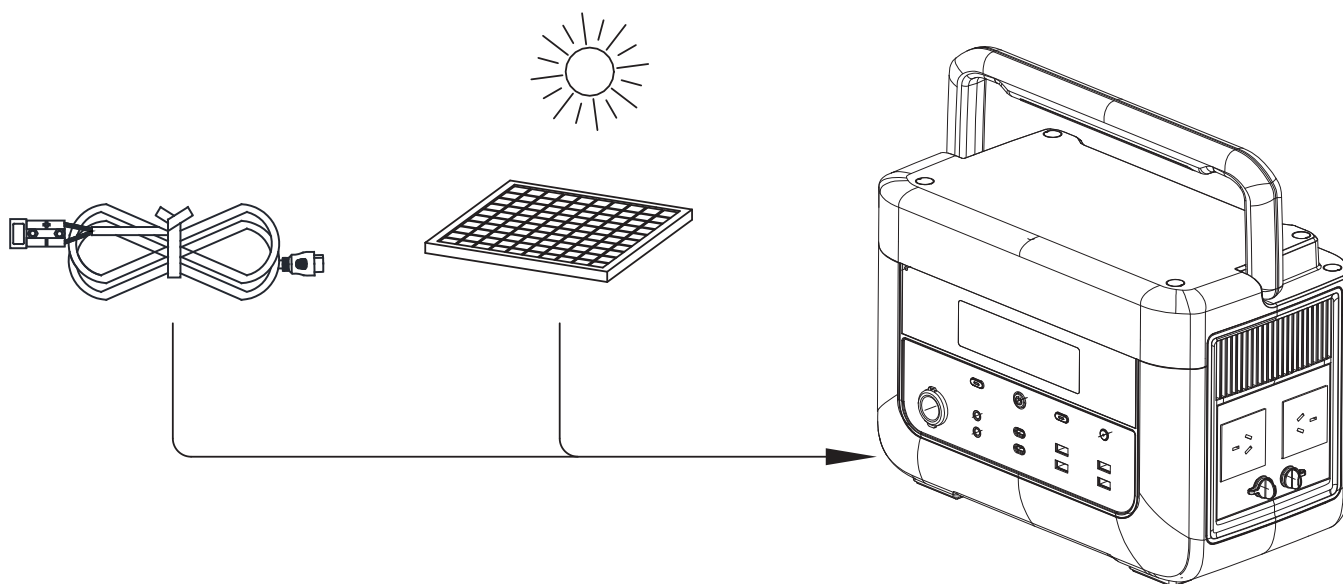
- Press the ON/OFF switch until it lights up green. The LCD display is visible.
- Connect the input plug of the AC power cable to a wall outlet, and the other end is connected to the AC charging input port of the product.
- You can read the charge status on the LCD display of the power station.
- When the Power Station is fully charged, the charging process is ended automatically.
- As soon as the Power Station is fully charged, switch the power station off and disconnect the AC power cable from the AC input of the power station.

## Charging with a solar panel (not included)

- 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 Power Station is fully charged by the solar panel, the charging process is ended automatically.
- Disconnect the solar panel from the Power Station and switch it off.

**⚠ Note:** You can link several solar panels to each other in order to shorten the charging time. The Power Station is able to absorb 400W of charging power. The off-load voltage of the solar panel should be between 12V and 60V. Otherwise, the over voltage 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 12V ACC socket vehicle output (cigarette lighter) in a vehicle

Ensure that the vehicle engine is running.


- Connect the Power Station and the 12V ACC socket (cigarette lighter) of your vehicle using the car charger cable.
- Charge the Power Station after starting the vehicle. You can read the charge status on the LCD display.
- When the Power Station is fully charged, the charging process is ended automatically.
- Disconnect the car charger cable from the Power Station 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)
- 12V DC output
- 240V AC output : Notebook, camera, display devices and other working devices for the alternating current supply with a max. power of 1200 W.
- 12V vehicle output : Camping equipment with 12V ACC connection such as kettles, camping refrigerators, travel coffee machines, camping cool boxes. (A adapter cable with ACC plug - 50 AMP connector, it's used to handle output of max 10Amp is included.)

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

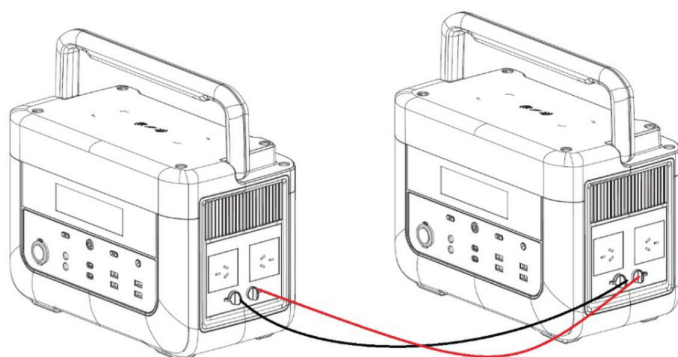
 **Note:** Devices with a power rating of more than 1200 W must not be operated with this Power Station.

## Parallel Function

The parallel function allows this power station to be connected with another 1200W REMCO power station to meet more extensive power demand of the connected device of maximum total AC output of 2400W.

Follow the steps below to setup to use the parallel function.

1. Ensure both 1200W power station units are turned off before connecting.
2. Connect two power station units with red and black parallel cables (purchase separately) via the parallel interface located at the side of the machine.
3. Turn on both power station units.
4. Press and hold the AC button of both power stations until the parallel icon appears on the display screen.
5. Turn on the AC switches of both power stations
6. The machines are in parallel mode.



 **Note:** Do not connect two power station units during the charging/discharging.



## Parallel Function

### Tips

- The power during parallel operation are proportionally distributed between the two power stations to the connected device.
- Ensure the connected device is plugged into the AC socket outlet after setting up the parallel function.
- The Parallel function will automatically disabled, and the AC outlet also automatically switched off when one of the power station power level have completely discharged to the low level protection point.
- If the power station is overload 105% of the rated load during the parallel function, the power station will on into protection mode and disable the parallel mode.
- The parallel function is automatically disabled when the power station is in charging mode.

## APP operating instructions

### Preparation before APP connection (first-time connection)

1. Use the QR code below to download the "Power Station Manager" app on the phone.



2. Ensure the phone and power station are as close as possible.
3. Ensure the power station is turned on and the display screen shows the battery level is  $\geq 0$ . It's now ready for pairing:

Press the IOT RESET button for over 5 seconds, and the WIFI / Bluetooth icon on the display screen will flash, indicating that the device is available for pairing.

3. Ensure that the phone is connected to the mobile network and has access to the Internet.

### APP connection

Open the "Power Station Manager" app, go to the homepage, and click the "Add Device" button in the middle of the screen (Figure 1). The app will start searching for devices that can be connected.

There are two ways to connect to the APP: WIFI and Bluetooth. (See Figure 2)

1. Connect via WIFI — Once the initial connection is made, the user can operate the machine via the app from anywhere with Internet access.
2. Skip WIFI and connect via Bluetooth – Once the initial connection is made, the user can operate the machine via the app within a maximum 30 meters dia. area (Bluetooth coverage)

### Connect to the device

The app automatically detects nearby devices and clicks "Add" to connect. Users can also "Add Manually" to pair the desired device by looking up the correct model number (See Figure 3 & 4).

Figure 1

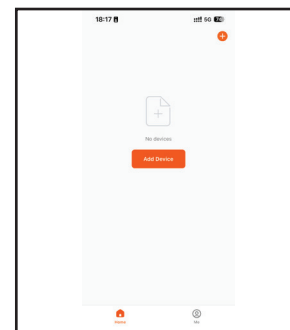


Figure 2

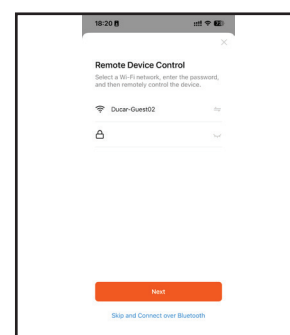


Figure 3

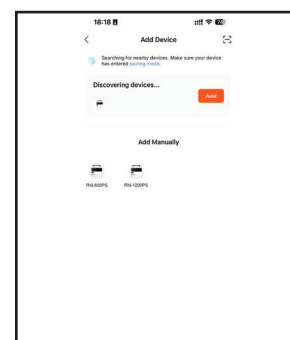
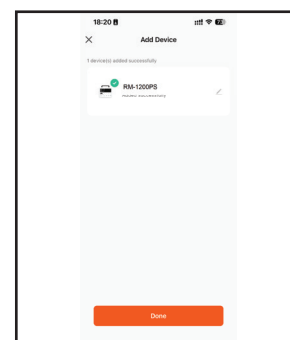


Figure 4



## APP Function & Display

1. The app's "Home" page displays the device's battery information and the control and information for the AC/DC output switch. (See Figure 6)
2. The "Alarm" page displays the equipment's fault codes. For specific fault code information, please refer to the instruction manual. (See Figure 7)
3. The "Setting" page can set the device's standby time, screen standby time, maximum charging power, and display the device's version information. (See Figure 8)

The maximum standby time can be set to 99 hours and 59 seconds or never shut down (default 2 hours automatic shutdown if no action detected)

The maximum screen time can be set to 99 hours and 59 seconds or always on (default 30 minutes automatic turn off if no action detected)

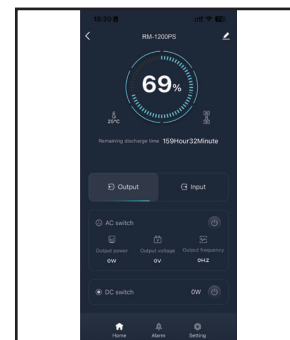


Figure 6

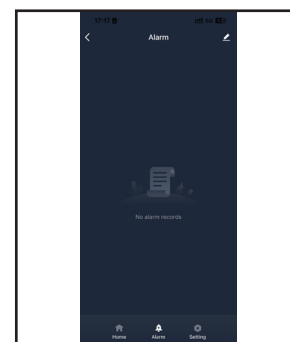


Figure 7

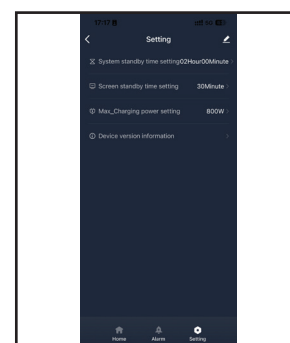


Figure 8


## Switching the product on and off


### Switching on:

1. Press and hold the On/Off switch for a few seconds.
2. The operating display and the LCD display go on.

### Switching off:

1. Press and hold the On/Off switch for a few seconds.
2. The operating display and the LCD display go off.

 **Note:** The LCD display goes off automatically after a period of time without operation.  
Press the ON/OFF to switch the LCD display on again.

 **Note:** If the DC / AC buttons are switched off and no application 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.

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

## Supplying the connected device with DC power

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


1. Connect the application with the relevant output.
2. With the product switched on, press the DC button to switch on the DC output, the ACC 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 relevant output port can now be used.
5. Press the DC button again to switch off the DC, the ACC power output and the USB connections.
6. The corresponding operating indicator goes off and the display symbols for DC and USB are no longer displayed on the LCD display.

## Supplying the connected device with AC power

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

1. Connect the appliance to the AC socket outlet.
2. Press the AC button on the Power Station to switch on power to the appliance that is connected to the AC outlet.
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 AC output port can now be used.
6. Press the AC button again to switch off the AC outputs.
7. The operating indicator goes off 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 connected applications on the LCD display.  
The value indicates how much power your products draw from the Power Station.


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

**ATTENTION:** When connecting to the application, select the relevant output depending on the required type of current for the application to be operated.

## 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 nonuse. Otherwise it can negatively affect the service life of the battery.

## Electrical connection

### 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 aging.

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 frostfree place that is inaccessible to children. The optimum storage temperature is 25°C±3. 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.



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

- The symbol of the crossed out dustbin means that waste electrical and electronic equipment must not be disposed of with household waste.



## 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
	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 over current 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 over voltage 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 Power Station and let it cool down. Check the functionality of the fans if necessary.
F005	External short-circuit overload	Switch off the Power Station 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 Power Station and restart.
F008	Low voltage	Recharge the power station.
F009	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 signals 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 signals 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 or 12V ACC socket output is overloaded or short-circuited	Check whether the 6514 interface or cigarette lighter is short-circuited or overloaded.

## Warranty

For warranty information, terms and conditions please consult website:

[www.remcoenergy.com.au](http://www.remcoenergy.com.au)

## Contact Us

Website: [www.remcoenergy.com.au](http://www.remcoenergy.com.au)

Remco Customer Support email: [customersupport@remcoenergy.com.au](mailto:customersupport@remcoenergy.com.au)