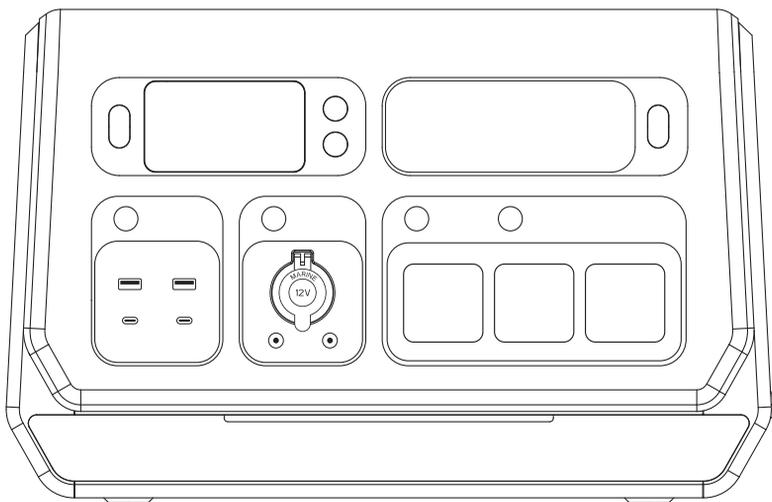


# All-in-one Grid Power Station

## User Manual

V1.1



Model: SGR-PPS2400-3 PRO



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# 1. Safety Caution

The product has been designed and tested strictly according to the international safety requirements. As with all electrical or electronic devices, there are residual risks despite careful construction. To prevent personal injury and property damage and to ensure long-term operation of the product, read this section carefully and observe all safety information at all times.

**Read all up-to-date documents carefully before installing, using or servicing the product. Documentation is subject to change over time.**

1. This power station has a built in lithium battery which is highly sensitive to high temperature - Keep it away from heat sources like direct fire or any heat sources.
2. Please follow the instructions in this manual to correctly connect all charging cables. Do not use third-party cables. Any incorrect connections may damage the machine and even pose an electric shock hazard.
3. Do not touch the live components in standby mode, there may be a risk of electric shock.
4. Do not move the machine while it is operating, there may be a risk of electric leakage.
5. Keep away from moisture or water.
6. Do not disassemble, microwave, puncture, incinerate or insert foreign objects into the power station.
7. Do not crush, bend, shred, drop or place heavy objects on top of the device.
8. Do not use the product if damaged or punctured.
9. Always be prepared - Charge the unit every three months also if it is not used.
10. When connecting to the grid and photovoltaic components, please understand the components and functions of the photovoltaic system, ensure that all electrical connections, voltage, and current meet standards, and ensure that the power station is turned off during the entire connection process.
11. When users in Germany use a grid power exceeding 800W, they must report this to the relevant authorities and have it installed by professionals.

## 2. Important Tips

- **"MIG" is the abbreviation of "Micro Inverter for Grid-connected". MIG refers to micro grid connection mode.**
- In order to prevent the power connection from becoming loose and causing safety incidents, please ensure the unit in a fixed position and do not move it arbitrarily when in micro grid connection mode.
- The solar PV system is grid-tied. Please check if it is allowed in your area. Depending on the region, official approval may be required before or after installation.
- The product should be protected from direct sunlight to prevent rapid temperature increase.
- This product is compatible with specifically designated smart plugs, including smart charging and smart MIG plugs. These smart plugs need to be purchased separately from the device dealer. Smart plugs purchased elsewhere cannot be used.
- Please check the required accessories before installation, as some accessories need to be purchased separately.
- After the installation, please download the App first.

# 3. Preface

Thank you for purchasing this power station with grid connection function. It can freely switch both on-grid and off-grid modes, and be used for multi-scenario application.

The power station can be used as the grid power station, it stores energy from solar panels in the power station. And it can connect to the grid to provide power to the household, aiming to help users save on electricity bills.

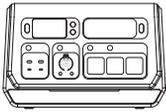
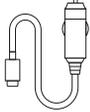
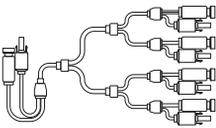
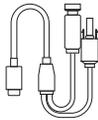
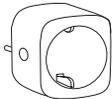
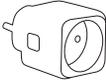
The portable power station can connect to AC wall outlets, solar panels, and DC power sources and is designed to keep your electronic devices powered both during an emergency and while on the go.

It comes equipped with AC outlets, 12V DC output ports, a car port, Type-C port and fast charging USB ports 3.0 for your convenience.

Perfect for outdoor adventures and home backup, it is compatible with most electronic devices such as drones, projector, coffee maker, blender, refrigerator, cooling fan, microwave etc.

The power station is also suitable for camping and works well in keeping outdoor electrical appliances charged for uses such as night time power supply, medical power supply and household electricity storage.

# 4. Package Contents

What's in the Box			
	SQR-PPS2400-3 PRO	1*AC Power Cord	1*DC Cable
			
	1*PV Connectors	1*MC4 Cable	1*User Manual
Optional accessories			<b>Note:</b> These dedicated smart plugs need to be purchased separately from the device dealer. Smart plugs purchased elsewhere cannot be used.
	Smart Charging Plug	Smart MIG Plug	

## 5. Download App

Please search for the App "Wonderfree" in the App store (iOS: App Store; Android: Google Play) on your mobile phone and download it.



## 6. Installation list

No	Name	Description	Part of a basic set / Optional (not included)
1	Solar Panel	The maximum PV system voltage is 145V.	Not included
2	PV Connectors	To establish a connection between the SGR-PPS2400-3 PRO and solar panels (supports up to 4 solar panels).	Included
3	SGR-PPS2400-3 PRO	Main Unit	Included
4	Smart Charging Plug	To be used with an installed photovoltaic system in conjunction with the SGR-PPS2400-3 PRO (supports up to 1 unit).	Not included. Please purchase separately from the device dealer.
5	Smart MIG Plug	To measure the power consumption of household appliances and wirelessly connection with the SGR-PPS2400-3 PRO to optimize energy usage (supports up to 5 units).	Not included. Pls purchase separately from the device dealer.

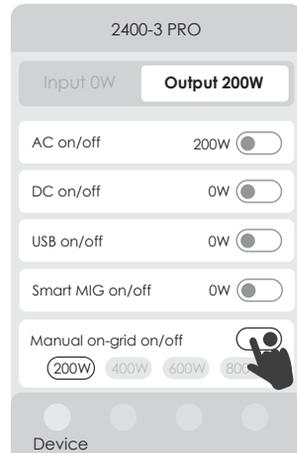
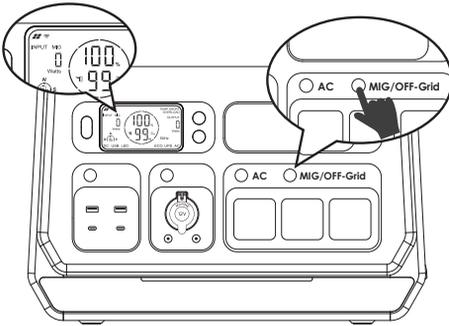
# 7. Application

## 7.1 Manual on-grid Mode

Turn on or off on-grid mode through the device's "MIG/Off grid" button or "Manual on-grid on/off" in the App.

Press the "MIG/Off grid" button on the device, the default grid-connected power is 200W.

To select different micro grid-connected power levels, you need to use the App. After successfully connecting to the App, find the "Manual on-grid on/off" in "Output" status section of "Device" page to select grid-connected power. There are four grid-connected power options: 200W / 400W / 600W / 800W.



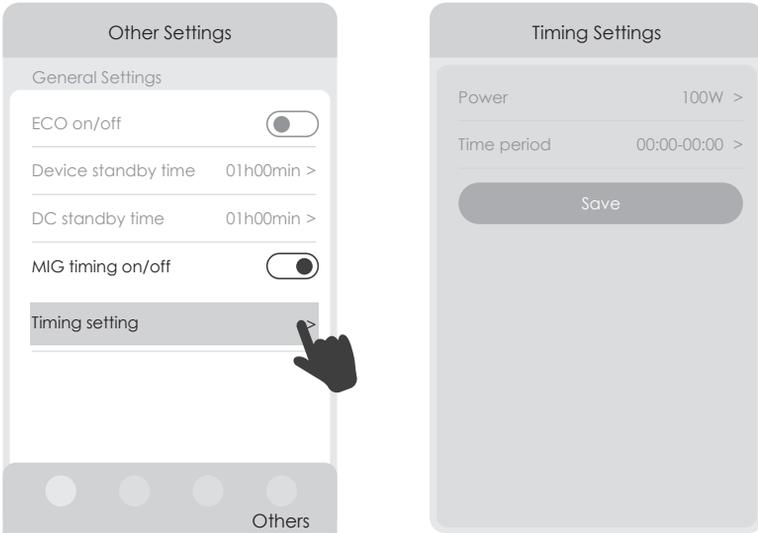
### Note

① When performing a manual on-grid operation (press the "MIG/Off grid" button on the device or "Manual on-grid on/off" in App), the timing task will automatically terminate.

② Manual grid connection (press the "MIG/Off grid" button on the device or "Manual on-grid on/off" in App) will automatically exit the smart MIG function.

## 7.2 MIG Timing Mode

This function can set the time period and power of grid connection. Users can add multiple sets of different grid connection time periods and grid-connected power.

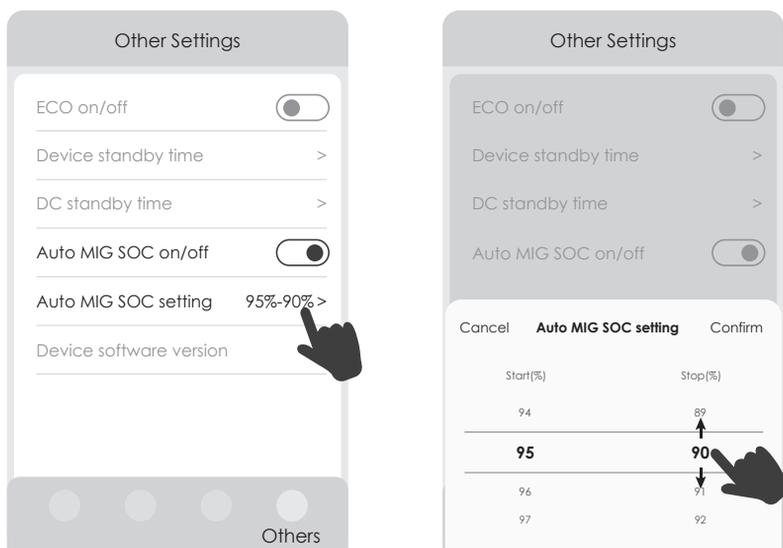


### Note

- ① Poor network signal of the device will affect the performance of timing tasks.
- ② The device's grid connection function and charging function cannot be used simultaneously.
- ③ When using this function, smart charging and smart MIG switches need to be turned off.
- ④ When the task of "MIG timing" and the "AC charging timing" overlap, the "MIG timing" task takes priority.
- ⑤ When performing a manual on-grid operation (press the "MIG/Off grid" button on the device or "Manual on-grid on/off" in App), the timing task will automatically terminate.
- ⑥ When the device's battery level is < 10%, it will stop grid connection.
- ⑦ When users in Germany use a grid power exceeding 800W, they must report this to the relevant authorities and have it installed by professionals.  
\* During the set time period of timing grid connection, please ensure that the network is normal, the device is connected to mains power, and the mains power is in normal state to make this function work.
- ⑧ The AC switch and all AC output outlets will not work in grid connection mode.

## 7.3 Auto MIG SOC Mode

Turn on or off the "Auto MIG SOC on/off" button in the App to use this function after connecting the power station to the mains power and the solar panel. In Auto MIG SOC Mode, the photovoltaic power generation prioritizes charging the power station, and the photovoltaic automatic grid connection will occur by default when the charging level  $\geq 95\%$ . When the power station's capacity  $\leq 90\%$ , the grid connection output will automatically stop by default.



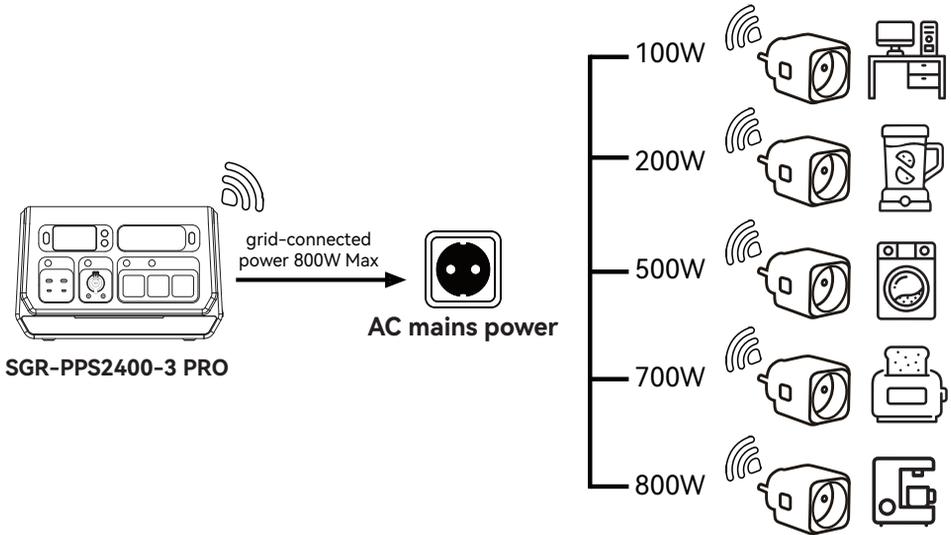
### Note

- ①The "Auto MIG SOC" function will be affected by the "MIG timing" function. If the "MIG timing" function is set in the App, the "Auto MIG SOC" function will automatically turn off, users can only choose one of the two options.
- ②When the photovoltaic power generation charges the power station to 100%, if the power station is connecting to the mains power and detects that the mains power connection is in normal state, the power station will automatically enter photovoltaic grid mode. In this photovoltaic automatic grid connection mode, the photovoltaic power generation still prioritizes charging the power station, and the excess photovoltaic power generation will directly supply to the mains power.
- ③The start SOC (State of Charge) and stop SOC of photovoltaic grid mode can be set by the App according to the need. After successfully connecting to the App, find the "Auto MIG SOC on/off" and "Auto MIG SOC setting" to select start SOC and stop SOC. The default grid-connected power of "MIG SOC" is 200W.

## 7.4 Smart MIG Mode

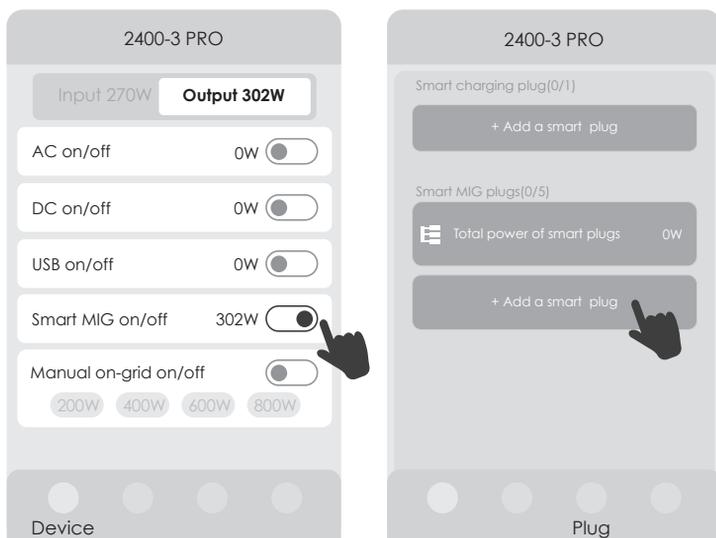
This function requires the dedicated smart MIG plugs to be used, pls bind and add them in the device App.

These smart MIG plugs are used to collect the power consumption of appliances, the power station automatically adjusts the grid connection power correspondingly, achieving a more precise grid connection power to enhance energy-saving effects (Please refer to the following diagram).



### Tips

- ①Up to five smart MIG plugs can be added here.
- ②These plugs needs to be purchased separately from the device dealer. Smart plugs purchased elsewhere cannot be used.
- ③Please combine the device with household appliances to use this function.



## Note

- ① For energy-saving purposes, the smart MIG function can only work when the smart MIG power is  $> 100W$ .
- ② The smart MIG function takes priority over the smart charging, AC timing charging, and timing MIG functions.
- ③ (press the "MIG/Off grid" button on the device or "Manual on-grid on/off" in App) and App AC charging mode will automatically exit the smart MIG function.
- ④ When the device's battery level is  $< 10\%$ , it will stop grid connection.
- ⑤ When users in Germany use a grid power exceeding  $800W$ , they must report this to the relevant authorities and have it installed by professionals.  
\* When turn on "MIG/Off grid" button, the AC output will automatically turn off, and DC and USB outputs and LED function will not be affected.
- ⑥ The AC switch and all AC output outlets will not work in grid connection mode.

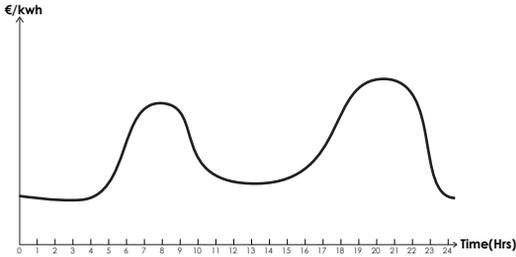
## 7.5 AC Charging Timing Mode

This function can set time period and the charging power of AC charging timing. Users can add four sets of different AC charging time periods and AC charging power.

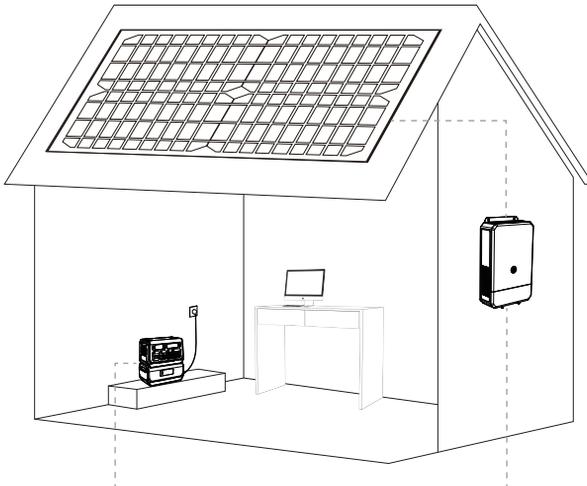
### Application

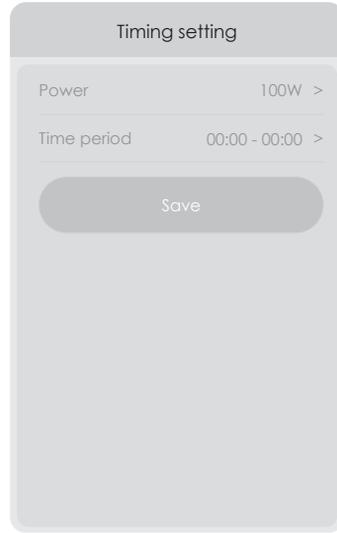
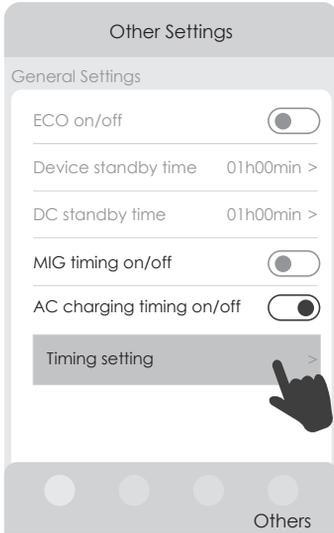
① It usually applied in areas with differential electricity pricing, charging for energy storage when electricity is cheapest, and grid feed when electricity prices are highest.

- Grid connection during high electricity prices
- AC charging during lower electricity prices



② It can be applied in conjunction with a rooftop photovoltaic system to store the electricity generated by the rooftop photovoltaic system, and then connect it to the home grid for energy-saving use during peak electricity consumption periods. (How to use: Through the App of the photovoltaic grid-connected inverter, the minimum power generation power of the system in different time periods can be obtained, then the mains charging power in different time periods can be set through this AC timing charging function of this power station. Pls make it not exceed the power generation power of the photovoltaic grid-connected inverter)





## Note

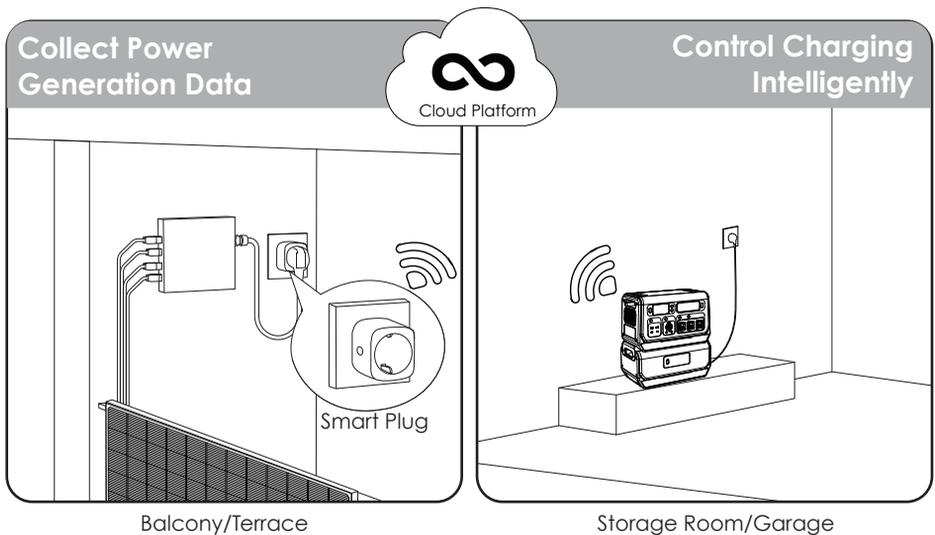
- ① Poor network signal of the device will affect the performance of timing tasks.
  - ② The device's grid connection function and charging function cannot be used simultaneously.
  - ③ When using this function, smart charging and smart MIG switches need to be turned off.
  - ④ When the task of "MIG timing" and the "AC charging timing" overlap, the "MIG timing" task takes priority.
  - ⑤ When performing a manual charging operation (press lightning button on the device or App AC charging mode), the timing task will automatically terminate.
- \* During the set time period of AC charging timing, please ensure that the network is normal, the device is connected to mains power, and the mains power is in normal state to make this function work.

## 7.6 Smart Charging Mode

Please combine the device with the balcony photovoltaic system to use this function, it stores energy from micro grid PV system into the power station.

This function requires a dedicated smart charging plug to be used, pls bind and add it in the device App.

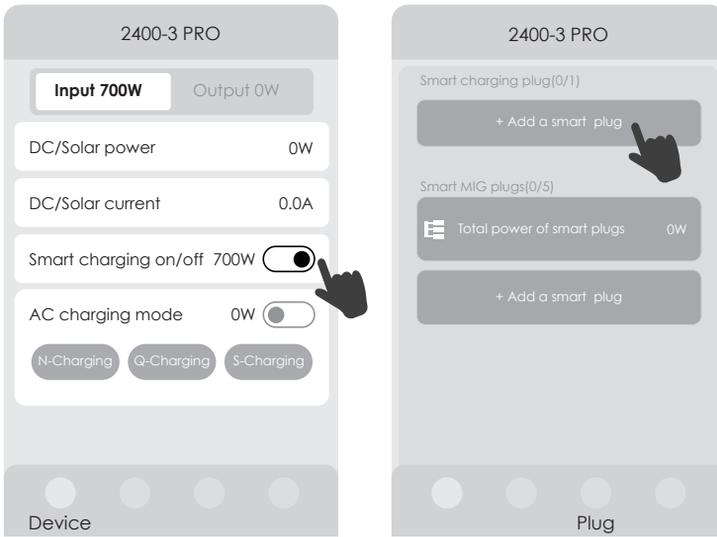
This smart charging plug collects the generation data from the balcony photovoltaic micro inverter and transmits it to the cloud platform. The cloud platform then feeds the data back to the power station. Upon receiving the data from the cloud platform, the power station automatically initiates charging after a series of judgment logic. It also controls the charging power to be less than the generation power of the balcony photovoltaic micro inverter, ensuring that the power station never consumes electricity from the household grid.



- Not involve a direct connection to the installed micro grid PV system.
- Get the energy generated by the balcony PV through any wall socket within the same WiFi area.

### Tips

- ① Only one smart charging socket can be added here.
- ② This plug needs to be purchased separately from the device dealer. Smart plugs purchased elsewhere cannot be used.

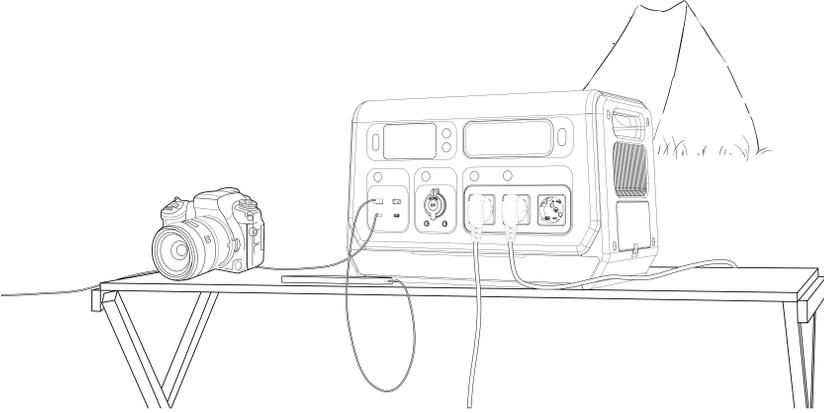


## Note

- ① For energy-saving purposes, the smart charging function can only work when the smart charging power is  $> 100\text{W}$ .
- ② The smart charging function takes priority over the AC timing charging and MIG timing functions.
- ③ The smart MIG function takes priority over the smart charging function.
- ④ Manual grid connection function (press the "MIG/Off grid" button on the device or "Manual on-grid on/off" in App) and manual charging function (press the lightning button or App AC charging mode) take priority over smart charging function.

## 7.7 Off-Grid Mode

### ●Outdoor Usage



In off-grid mode, this power station supports charging and discharging at the same time, and you can run your devices while charging this power station.

This device supports mobile phone connection outdoors (or in places without Wi-Fi). The connection steps are the same as the above.

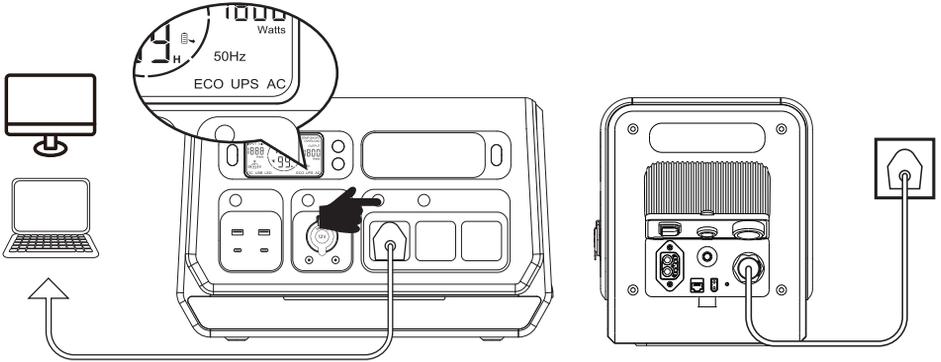
**Method 1:** Connect your phone to the hotspot of another phone and also connect the device to this hotspot, which fulfills the need for connecting the device outdoors (or in places without Wi-Fi).

**Method 2:** If you have already connected the device through a 2.4G Wi-Fi by your phone indoors and has not unbound it, you can connect the device through Bluetooth on your phone when moving the device outdoors (or in places without Wi-Fi) for use.

### Note

- ①After the device is disconnected from a Wi-Fi environment, it needs to wait for 3-5 minutes before connecting through Bluetooth on your phone.
- ②Please ensure that your phone and the device is within 10m and there are no obstacles in between.
- ③The device may need to be restarted before connecting through Bluetooth on your phone (restarting the device will not cause the device to be unbound).

## ●UPS



UPS Bypass Mode: Connect the power station with the AC power, then turn on the AC output, and the 'UPS' 'AC' will be on display. When on this mode, the AC power will directly support the loads on AC output ports and charge the unit. Note: Max. output power: 1800W.

The UPS Bypass Mode prioritizes providing AC output power, then the excess power will supply for charging the power station.

The AC inverter is disabled under UPS Bypass Mode. The unit won't enter this mode unless connecting with AC power AND turning on the AC output.

## Usage time of devices

 <b>Projector</b> (100W) <b>18.4 Hrs</b>	 <b>*Mini Cooler</b> (90W) <b>20.5 Hrs+</b>	 <b>Blender</b> (300W) <b>6.1 Hrs</b>	 <b>Coffee Maker</b> (550W) <b>3.4 Hrs</b>	 <b>Electric Grill</b> (1600W) <b>1.2 Hrs</b>	 <b>Washer</b> (500W) <b>3.7 Hrs</b>
 <b>Hand Drill</b> (60W) <b>31 Hrs</b>	 <b>*Refrigerator</b> (520W) <b>3.5-24 Hrs+</b>	 <b>*Air Conditioner</b> (1150W) <b>1.6 Hrs+</b>	 <b>Microwave</b> (1160W) <b>1.6 Hrs</b>	 <b>CPAP</b> (40W) <b>46 Hrs</b>	 <b>TV</b> (110W) <b>17 Hrs</b>

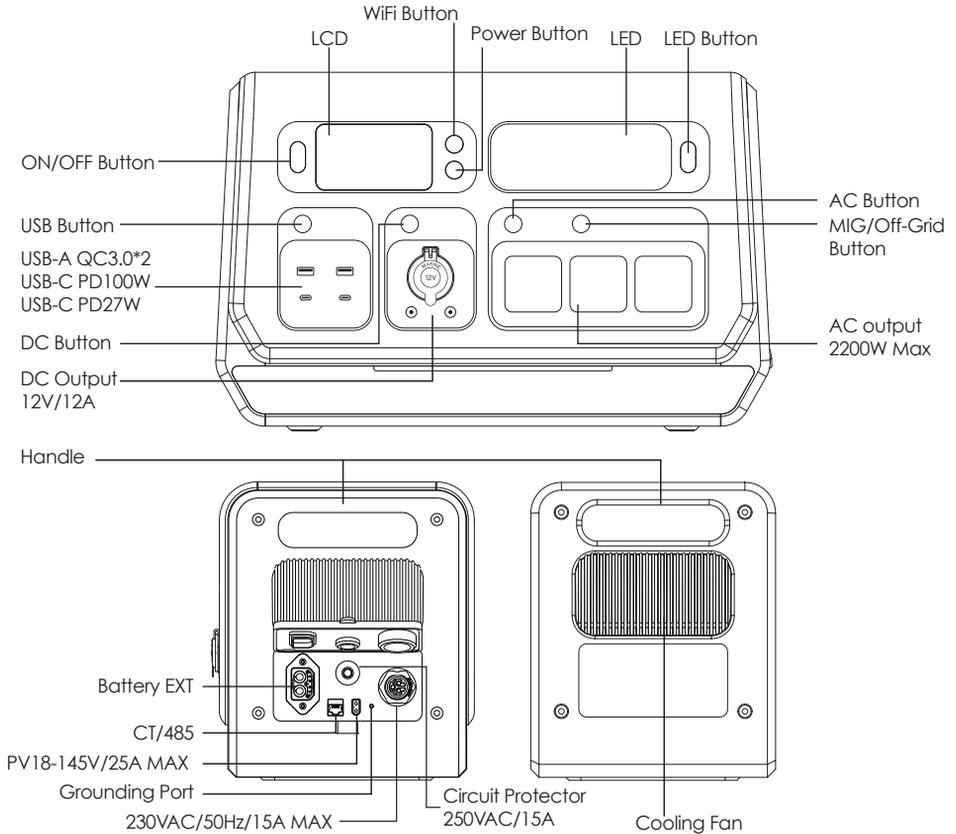
### Note

- ① Run time =  $2048\text{Wh} \times 90\%$  (conversion rate) / Your device's power (Watts). Running time =  $2048 \times 90\%$  conversion rate / Device Rated Power  
 e.g. ,If you run a 1,000W microwave oven with it, the running time will be:  $2048\text{Wh} \times 90\% / 1000\text{W} \approx 1.8432\text{hrs}$
- ② Support all electronic devices less than 2200 Watts.
- ③ The above charging times are calculated as a reference guide only. The actual usage time will depend on the power of the connected devices.

# 8. Technical Specification

Battery Capacity	LiFePO4 2048Wh±5%(40Ah/51.2V)
AC Input Charging	AC 174-264V/1600W Max
Car Input Charging	DC 12-24V/10A 240W Max
Solar Input Charging	PV 18-145V/25A 1600W Max
Output Port	3*AC Output: 230V, 50Hz Off Grid Output Power: 2200W, Peak 4400W Grid-connected Output Power: 230V AC, 50Hz, 800W, 3.5A Max Note: To protect battery performance, when the battery capacity ≤ 5%, AC output will be off in off-grid mode; When the battery capacity ≤ 3%, DC&USB outputs will be off in in off-grid mode;When the battery capacity is ≤ 10%, the on-grid output will be turned off in on-grid mode.
	USB Output 1: QC18W Max (5V2.4A&9V2A&12V1.5A) USB Output 2: QC18W Max (5V2.4A&9V2A&12V1.5A) USB Type-C 1: PD100W (5V3A&9V3A&12V3A&15V3A&20V5A) USB Type-C 2: PD27W (5V3A&9V3A&12V2.25A&15V1.8A&20V1.35A)
	1*Cigarette Lighter 13.8V/12A Max + 2*DC5521 Rated Output 13.8V/5A Max (Total 12A Max)
AC Output Waveform	Pure Sine Wave
LED Light	3W MAX, 3 Levels (L/M/H Adjustable) with SOS function
Safety Protection	Short-Circuit Over-Current Over-Voltage Low-Voltage Over-Load Over-Temperature
Battery Cycle Life	3500 times, DOD ≥ 70%
Weight&Size	24.2kgs/53.4lbs 465*260*295mm/18.31in*10.24in*11.61in
Environmental Operating Temperature	Charge Temperature: 0~40°C(32~104°F) Discharge Temperature: -10~40°C(14~104°F)

# 9. Product Overview

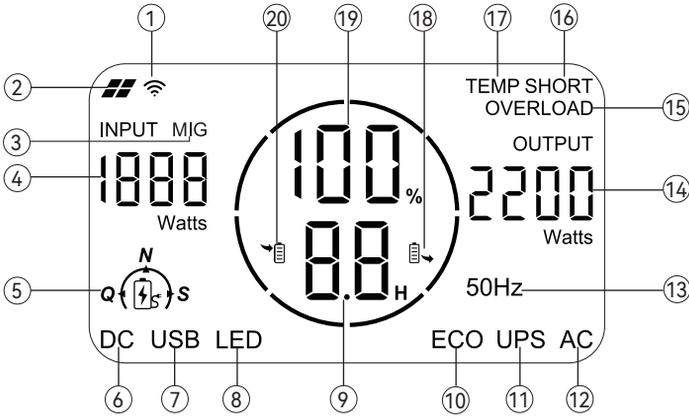


\*The circuit protector is an electrical safety switch designed to protect your unit from damage caused by over-current or short circuit. When the AC output exceeds 2400W under the invert mode or when the AC output exceeds 15A under the UPS mode, it will trip automatically. Press it once to reset the unit after these symptoms cleared.

\*Grounding port is for some electrical appliances that require grounding.

\*CT/485 port is for after-sales service or adding other functions in the future.

## 9.1 Display Screen Contents



## 9.2 Button Controls

①	WiFi Indicator	⑪ UPS	UPS Function Indicator
②	Solar Panel Input Indicator	⑫ AC	AC Output Indicator
③ MIG	MIG/Off-Grid Function Indicator	⑬ 50Hz	Output Frequency
④	Input Power	⑭	Output Power
⑤	Charging Mode Indicator(Q,N,S)	⑮ OVERLOAD	Overload Warning
⑥ DC	DC Output Indicator	⑯ SHORT	Short-circuit Warning
⑦ USB	USB Output Indicator	⑰ TEMP	Temperature Warning
⑧ LED	LED Indicator	⑱	Output State Indicator
⑨	Remaining Usage Time or Remaining Charging Time(Hour)	⑲	Remaining Battery Percentage
⑩ ECO	ECO Function Indicator	⑳	Input State Indicator

### Note

①\*The remaining usage time depends on the real-time output wattage of the loaded devices.

The remaining hours tells the remaining charge/discharge time.

It will prioritize displaying the remaining discharge time when charging and discharging simultaneously.

\*(The remaining time may has errors and the data is for reference only.)

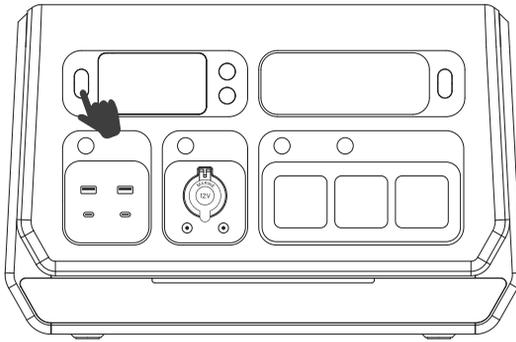
## ②Common states about MIG icon

No MIG icon on the screen	The Grid connection mode not enabled.
"MIG" icon is flashing	The Grid connection mode is enabled and pending activation.
"MIG" icon stays on	The Grid connection mode is active.

## ③Powering on/off

Short press the on/off button to turn on or turn off the power station.

Note: This device can be turned off by pressing the on/off button in mains standby mode. When the mains or PV is charging, this device cannot be shut down and needs to exit the charging state in order to shut down.

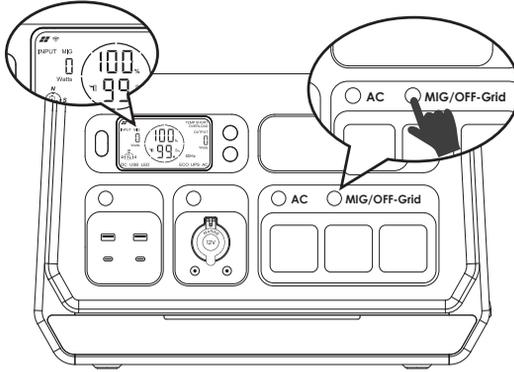


# 10. Entering Grid-Connected Mode

Turn on the "MIG/OFF-Grid" switch, then the screen displays the "MIG" icon. It indicates the grid connection mode is enabled.

Meanwhile, you can also enable MIG mode through the "Manual on-grid on/off", "Smart MIG on/off" and "MIG timing on/off" after successfully connecting to the App. (Please refer to the following diagram)

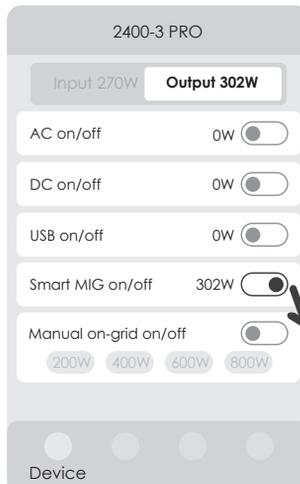
"MIG/OFF-Grid" switch



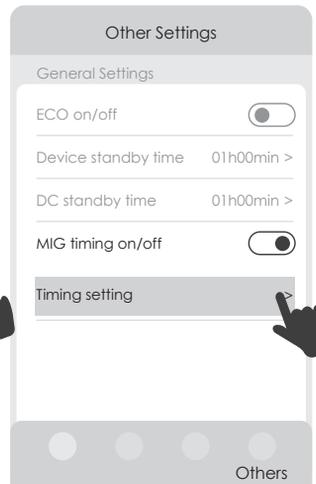
Manual on-grid on/off



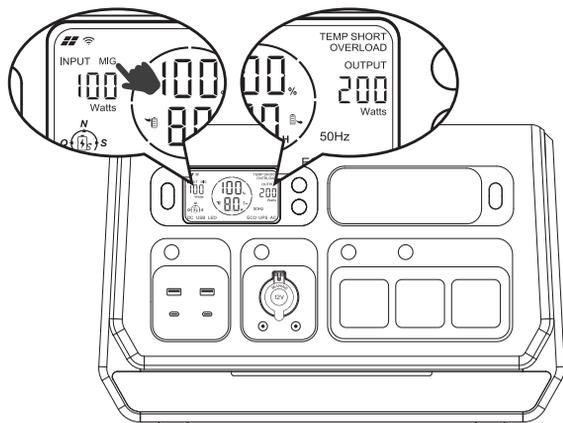
Smart MIG on/off



MIG timing on/off



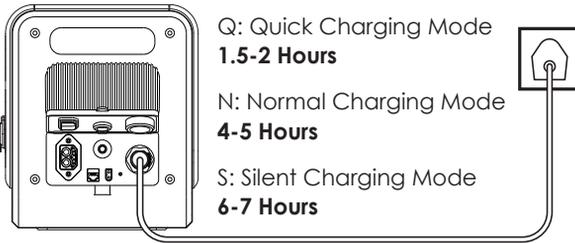
When the screen displays the “MIG” icon in the INPUT section, along with the power value in the OUTPUT section, it indicates the grid-connected output power and the LCD screen displays solar photovoltaic input power in the INPUT section.



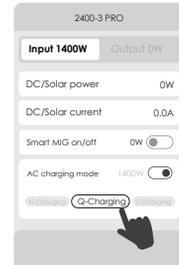
# 11. Ways to Recharge

## 11.1 AC Wall Charging

Please connect the AC power cord, and press the button "⚡" on the unit's front panel to start charging. This device default charging mode is 'N' (Normal-Charging mode). You can switch to other charging modes using the button. This device supports selecting '(Q)Quick-Charging Mode', '(N)Normal-Charging Mode' and '(S)Silent-Charging Mode', and you can also select AC charging mode in the App. It supports "AC charging timing" function in the App as well.

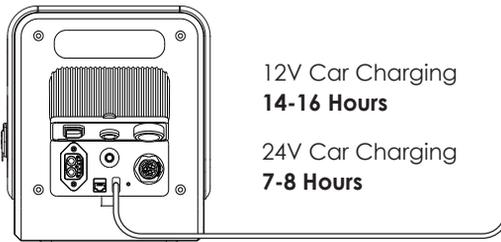


- Q: Quick Charging Mode**  
**1.5-2 Hours**
- N: Normal Charging Mode**  
**4-5 Hours**
- S: Silent Charging Mode**  
**6-7 Hours**

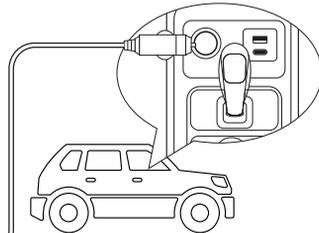


## 11.2 DC Vehicle Charging

Please connect the unit directly to the vehicle plug-in cigarette lighter port via the car charging cable.



- 12V Car Charging**  
**14-16 Hours**
- 24V Car Charging**  
**7-8 Hours**



Cigarette lighter **MUST** be fully inserted into the lighter port of the machine.

## 11.3 Solar Charging

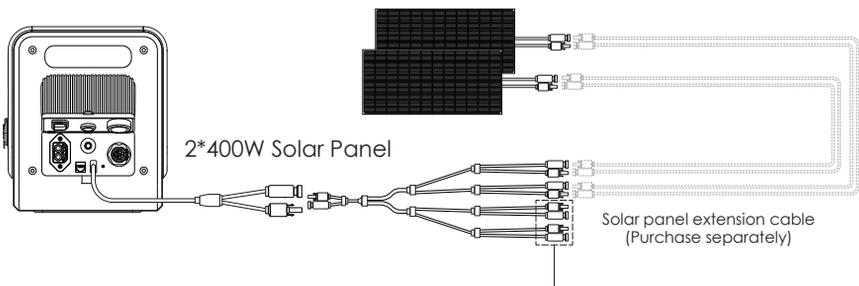
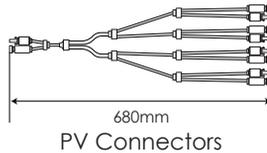
### **⚠ Safety Precautions When Charging**

- 1) Do not charge this power station with a voltage higher than DC145V; only use compatible solar panel.
- 2) Please ensure that the voltage of all solar panels connected in series is the same, and try to use the same type of solar panel.
- 3) Please don't put the power station in direct sunlight while charging in the high temperature environment.
- 4) Please ensure that your solar panels only charge the power station, they are prohibited from charging other photovoltaic equipment simultaneously.

### **Note**

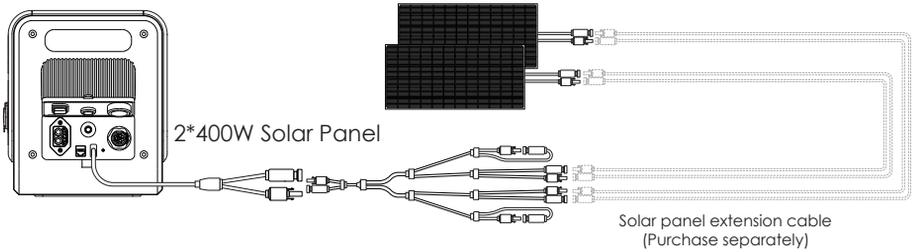
Please make sure your solar panels comply with Open Circuit Voltage of DC18-145V. The Max Solar Input Power of the power station is 1600W.

When you want to connect two or more solar panels, please use the PV connectors for the connection.

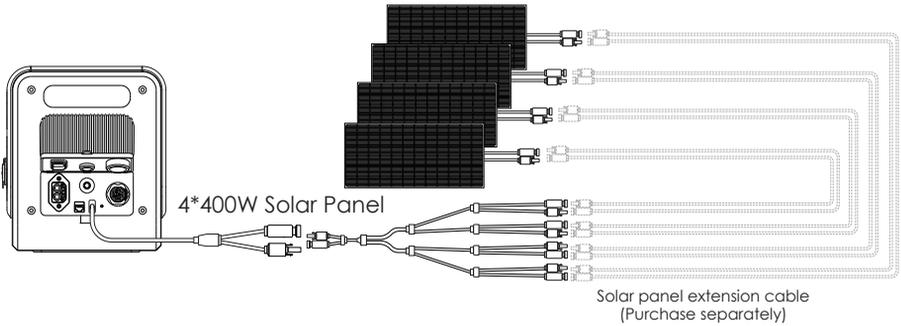


**⚠** Please don't connect those MC4 connectors, otherwise it will cause a short circuit.

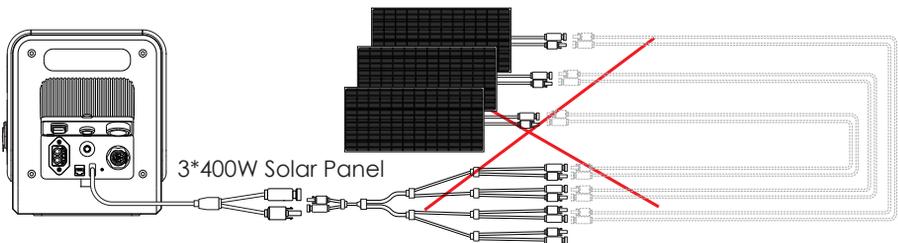
When there are unused connectors on the photovoltaic connector, please connect both ends of the MC4. Otherwise, solar charging will not work.  
(Please refer to the following diagram)



This power station can support a maximum of 4 solar panels connected in series simultaneously.



This power station does not support simultaneous connection of three solar panels.



Never use higher than DC 145V to recharge this power station.  
ONLY use solar panels with compatible voltage.

# 12. Common Trouble Shooting

Failure Description	Types	Solutions
Unit can not charging from AC wall outlets	AC charging fault	1.Please ensure to use original AC power cord. 2.Please check if the AC wall plug is correct connection. If not solved, please contact our after-sales service.
Unit can not charging from solar panel	DC solar charging fault	1.Please ensure solar charging connection is correct under user manual. 2.Please ensure connected solar panel specification is meet specified standard. 3.Please ensure solar panel charging under sunlight environment. 4.If not solved, please contact our after-sales service.
LCD Screen icon flash "AC" "DC" "USB"	Over-current protection Short circuit protection Over-voltage protection Low-voltage protection Over-Load protection	Resolve the problem by pulling out plug or remove electrical devices, the product can recover itself after re-start. If not solved, please contact our after-sales service.
High-temperature icon continuous appears	High-temperature warning	Power station can recover itself after battery cooled.

# 13. FAQs and Solutions

## 1.Why we need to install a balcony PV power system?

When this power station used as a balcony PV power station, it stores energy from solar panels in the power station. And it can connect to the grid to provide power to the household, aiming to help users save on electricity bills.

## 2.Why does it stop working when the battery capacity drops to 3%?

To protect battery performance,when the battery capacity  $\leq 5\%$ , AC output will be off in off-grid mode; When the battery capacity  $\leq 3\%$ , DC&USB outputs will be off in off-grid mode; When the battery capacity is  $\leq 10\%$ , the on-grid output will be turned off in on-grid mode.

## 3.Which solar panels can match the power station?

This product has an input operating voltage range of 18-145V, and you can freely combine solar panels based on your requirements and the installation area's size.

Note: No matter how many solar panels are connected in series, the total open-circuit voltage when connected in series must be less than 145V.

## 4.Why is there any sound during use or charging?

This product with intelligent temperature control system, built-in fans help our product to get better cooling and securing usage, slight noise is normal during using or charging.

### **5.Can I charge this power station while a device is plugged in?**

This depends on the off-grid or grid-connected mode.

When in off-grid mode, the device supports charging and discharging at the same time, and you can charge other devices while charging this power station.

When in grid-connected mode, the AC charging function and the grid-connected function cannot be used at the same time because the input and output connections are the same port.

### **6.Can it be used to jump start a car?**

No, it cannot be used to jump start a vehicle.

However, it can be used as power supply for automobiles. You can recharge the car via a power supply cord, which is available for purchase separately.

### **7.Why does the output for the low-power device automatically turn off after a period of time?**

This is to avoid battery consumption caused by forgetting to turn off the output during use. The standby time and output power can be set in the App.

If the detected inverter output power continuously remains  $\leq$  the set ECO power during the set ECO time, the system will automatically enter inverter standby mode. For example, suppose the ECO power is set to 5W and the time is set to 5 minutes. In that case, the system will automatically enter inverter standby mode when the AC output power continuously remains  $\leq$  5W for 5 minutes.

If the detected output power of the DC and USB ports continuously remains  $\leq$  3W during the set time, the system will automatically turn off the DC and USB switches. For example, if the time is set to 01 hour 00 minutes, the system will automatically turn off the USB or DC switch when the output power of the USB or DC port continuously remains  $\leq$  3W for 1 hour.

### **8.Is this power station waterproof?**

No, please DO NOT store it in a humid environment for a long time.

Please store it in a dry and cool place.

### **9.Can I use or charge this power station in sub-zero temperatures?**

Temperature ranges for this power station are:

AC Charging: 0°C-40°C(32°F-104°F); Discharge: -10°C-40°C(14°F-104°F); Storage:

-20°C-60°C(-4°F-140°F).

Technically, it can power electrical devices under such situations, but please avoid charging it.

## Maintenance and Storage

1. When not using the unit for extended periods of time, power off the unit and disconnect the AC adapter from the outlet.
2. Charge the unit to 80% capacity every 3-6 months for long-term storage.
3. When the battery capacity drops to 20%, recharge the power station in time to extend the battery life.
4. Clean the unit with a dry cloth gently and carefully.
5. DO NOT stack anything on top of the unit either in storage or in use.
6. Store it in a dry and cool place with temperature range between  $-20^{\circ}\text{C}$ ~ $60^{\circ}\text{C}$ , and humidity 20%~85%RH.
7. Avoid contact with corrosive substances fire and heat sources.

## Warranty & Customer Service Support

Thanks for purchasing our 2200W portable emergency power station. The portable power station is covered a warranty of 24 months from the date of its original purchasing. The warranty covers material and manufacturing defects prior to being shipped to third parties. This warranty does not apply: Any defects or damages caused by misuse of products, unauthorized modification, dis-assembly or operation not in accordance with the official instructions or manuals.

If you have any after-sales questions or need further technical assistance, please feel free to contact the dealer where you purchased directly.

### CAUTION

- a) Do not overcharge the internal battery. See instruction manual.
- b) Do not smoke, strike a match or cause a spark in the vicinity of the POWER STATION.
- c) Only charge the internal battery in a well ventilated area.
- d) Risk of Electric Shock. Connect only to properly grounded outlets.
- e) Risk of Injury to Persons. Do not use this product if the power cord or the battery cables are damaged in any way.
- f) Keep away from moisture or water. Do not use outdoors on rainy days.



Made in China

