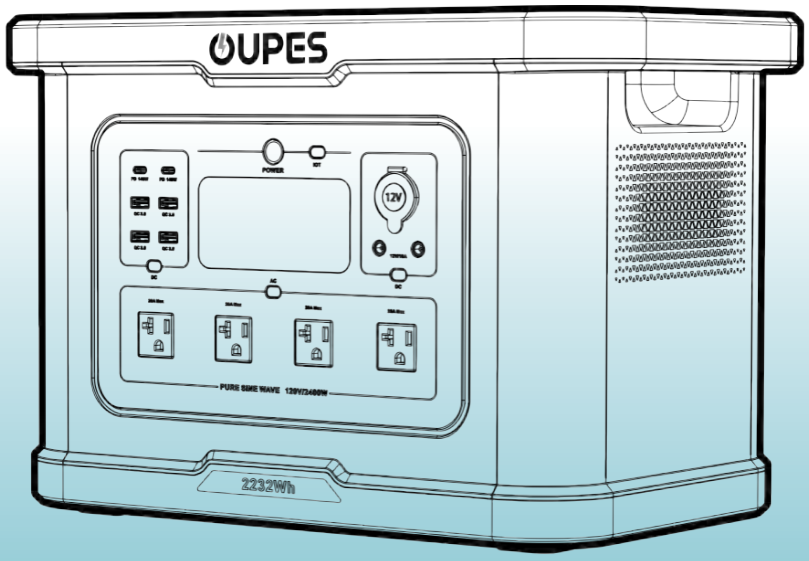
OUPES

NO POWER OOPS WITH OUPES



Exodus 2400

2400W Portable Power Station

User Manual

Contents

Disclaimer

Before using this product, please read this user manual carefully to ensure that you fully understand the product and can use it correctly. After reading this user manual, please keep it in a safe place for future reference. Improper use of this product may cause serious injury to yourself or others, or result in product damage and property loss. By using this product, you are deemed to have understood, recognized and accepted all the terms and contents of this document. The Company shall not be responsible for any damages caused by the user's failure to use this product in accordance with this user manual.

In accordance with laws and regulations, the company reserves the right of final interpretation of this document and all documents related to this product. This document is subject to change, update, revision or termination without notice.

Please visit our website for the latest product information.

●The company shall not be held responsible for any damage caused by force majeure(e.g. fire, typhoon, flood, earthquake) or use under other abnormal circumstances by the customer.

●The company bears no responsibility for loss caused by the use of non-standard connectors.

●The company shall not be liable for any damage caused by non-compliance with the standard operation.

●Please do not disassemble the product. Otherwise, the warranty will be voided.

Safety Instruction

Preparation Before Use

1.1 Read the User Manual

Carefully review the user manual provided with the device to understand the power station's interface functions, rated power, supported device types, and usage methods. Pay special attention to the rated power and output voltage of each interface to ensure compatibility with connected devices.

1.2 Device Inspection

Before use, inspect the power station and accessories to ensure they are intact, with no exposed wires or damaged interfaces.

Confirm that all interfaces are dry and clean.

Device Compatibility and Precautions

2.1 Matching Power Specifications

Verify that your device's rated power matches the power station's output. Examples include:

- USB-C Interface: Suitable for small portable devices like smartphones and tablets (e.g., iPad).
- Car Charger Interface: Avoid connecting sensitive devices like radios.
- AC Socket: Designed for high-power devices like TVs or sound systems, but the power must be within the station's rated output.

2.2 Avoid Simultaneous Connection of High-Power and Sensitive Devices

Do not connect high-power devices (e.g., refrigerators, induction cookers) and sensitive equipment (e.g., TVs) at the same time to prevent voltage fluctuations that could damage the devices.

Do not use the power station to power medical equipment and precision instrument.

Device Compatibility and Precautions

2.3 Special Note: List of Sensitive Devices

Devices sensitive to voltage fluctuations include:

- High-end TVs (OLED, 4K)
- Tablets like iPads
- High-end sound systems
- Cameras and drones

For these devices, use them individually and ensure proper interface matching.

Common Mistakes and How to Avoid Them

3.1 Using the Wrong Interface, Causing Device Damage

- Error Example: Using the car charger port for powering voltage-sensitive devices (e.g., radios).
- Precautionary Measures:
  - Check the device's power requirements (wattage, voltage).
  - Connect to the correct interface.

3.2 Damage Due to Instant Voltage Fluctuations

- Error Example: Keeping sensitive devices connected while turning the power station on or off.
- Precautionary Measures: Disconnect devices before powering the station on or off.

3.3 Overloading the Power Station

- Error Example: Powering multiple high-power devices simultaneously, exceeding the station's power limit.
- Solution: Check the station's rated power and plan device usage accordingly.

Usage Scenarios and Precautions

4.1 Charging via the car charger

●Do not charge devices via the car charger interface when the vehicle is starting or stopping to avoid voltage spikes.

●Ensure the device's power aligns with the station's output specifications when using the car charger interface.

4.2 Indoor Use

●For TVs, sound systems, and other devices in EPS mode, ensure the input source is grid power or a pure sine wave generator.

4.3 Outdoor Use

●Keep the power station away from water, dust, and extreme temperatures.

●Regularly clean interfaces and power cables after outdoor use.

APP

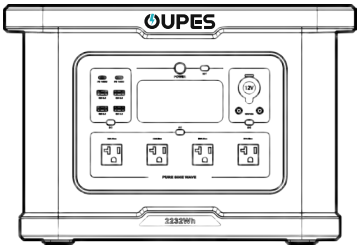
You can connect this product via APP to view information, control the device and personalize settings.

Scan the QR code to down-load our Smart Control APP.

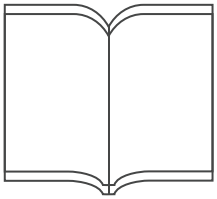
Available On App Store

Available On Google Play

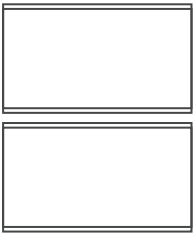
What's in the Box



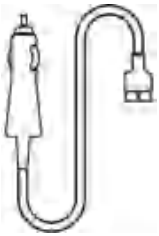
Power Station*1



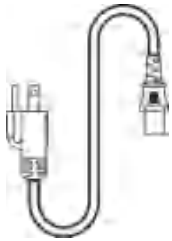
User Manual*1



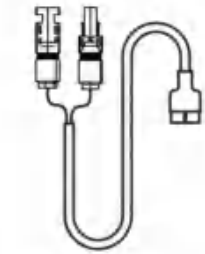
Warranty Card*1
Brand Card*1



Cigarette Lighter to Anderson Cable*1



AC Charging Cable*1



MC4 to Anderson Cable*1

Parameter Specifications

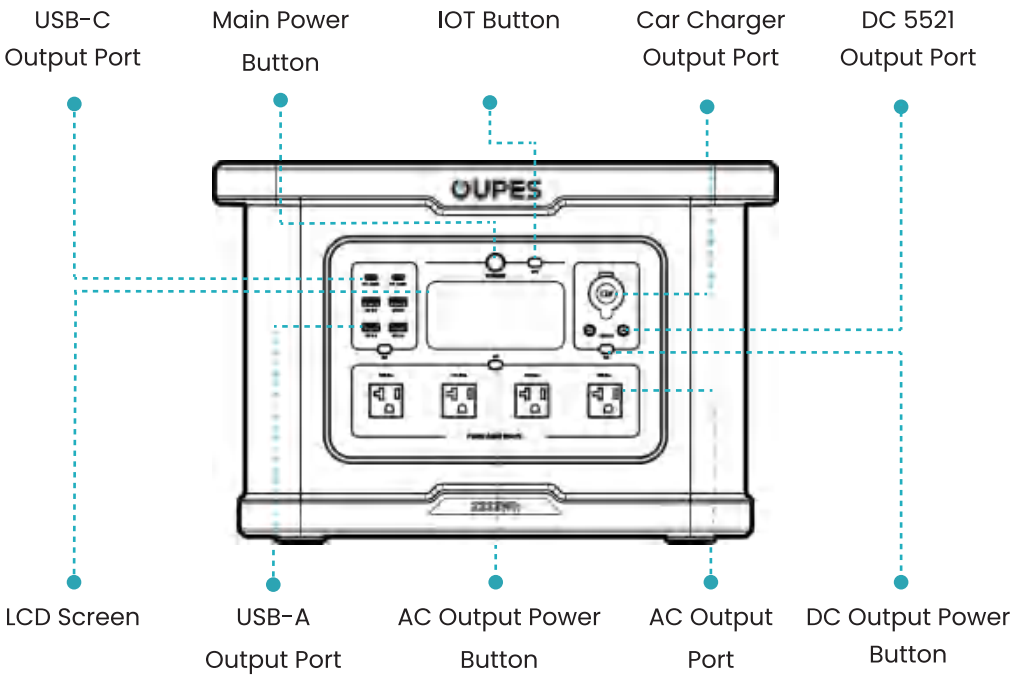
Output		
AC Output	Rated Voltage	120Vac
	Rated Power	2400W
	Boost Mode Power	2600W
	Peak Power	4500W
	Frequency	60Hz
DC 12V & Car Lighter Output	12V 10A 120W Total	
USB-A Output	5V/3A; 9V/2A; 12V/1.5A【18W Max】	
USB-C Output	5V3A，9V3A，15V3A，20V5A，28V5A【140W Max】	

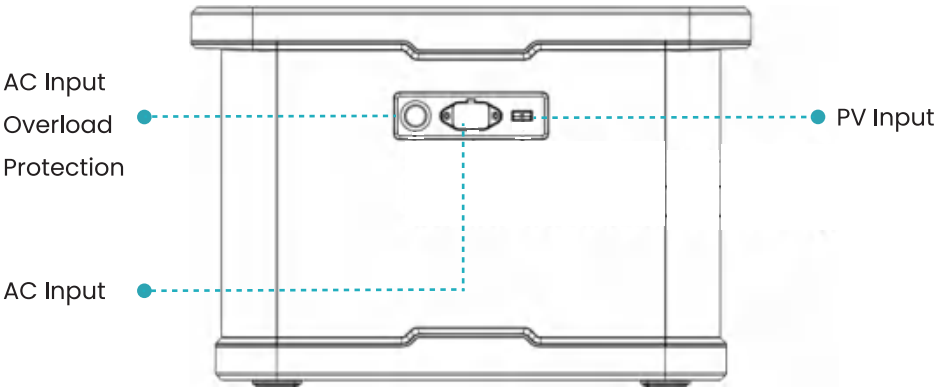
Input	
AC Charge Input	90~140Va.c 12A 50/60Hz 700W
PV Input	12~78Vdc MPPT: 16~70V 13.3A 800W Max
Car Charge Input	12~15.5V 8.5A Max

Battery	
Rated Capacity	2232Wh
Rated Voltage	48 Vdc
Battery Type	LiFePO4
Working Temperature	32°F~104°F（0°C~40°C）
Storage Temperature	-4°F~149°F（-20°C~65°C）
Dimension	17.99*10.63*12.2in（457*270*310mm）
Net Weight	45.2lb（20.5KG）

Product Description

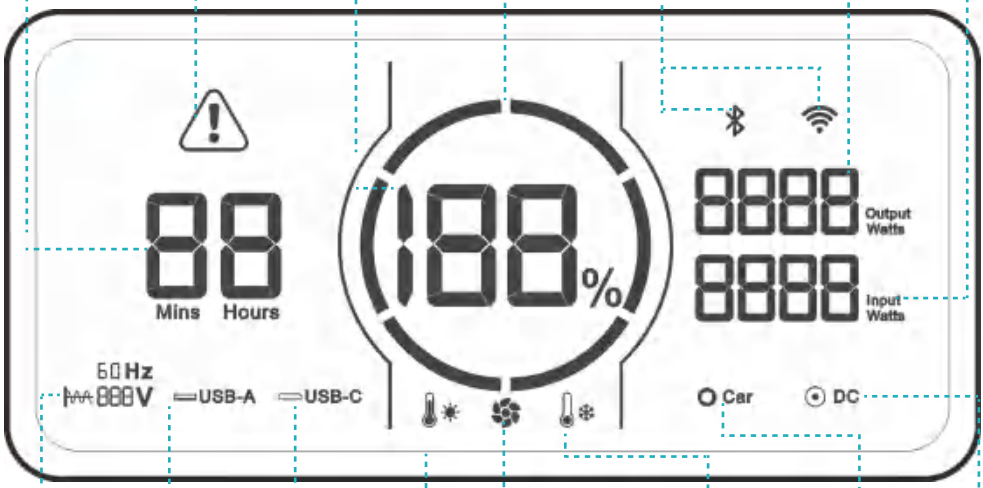
Function Description





Product Description

LCD Screen Description



Remaining discharge time display

Battery Capacity Percentage

WiFi& Bluetooth

Input Power Display

Error Warning

Battery Capacity Circle

Output Power Display

AC Output Indicator

USB-A Indicator

USB-C Indicator

High temperature protection

Cooling Fan

Low temperature protection

Car Charging Indicator

DC 5521 Indicator

Instructions for use

Power On:

Main Power:

1. Press and hold the main power button for 3 seconds.
2. The capacity circle and percentage will light up, confirming the screen is functioning.
3. The button light will light up and switch to a breathing mode, indicating the power is on.

AC/DC Output Power:

1. When the main power is on, press the button for the desired functional area.
2. The corresponding icon on the LCD will light up, indicating the function is active.

Power Off:

Main Power:

1. Press and hold the main power button for 3 seconds.
2. Release the button when the screen displays "OFF" and LCD Screen will go out.

AC/DC Output Power:

1. When the main power is on, press the button again for the desired functional area.
2. The corresponding icon on the LCD will go out, indicating the function is disabled.

Note:

1. It is recommended to turn off DC and AC output power buttons before turning off main power button.
2. Input port on the side of the product functions independently of the main power button.

LCD Screen

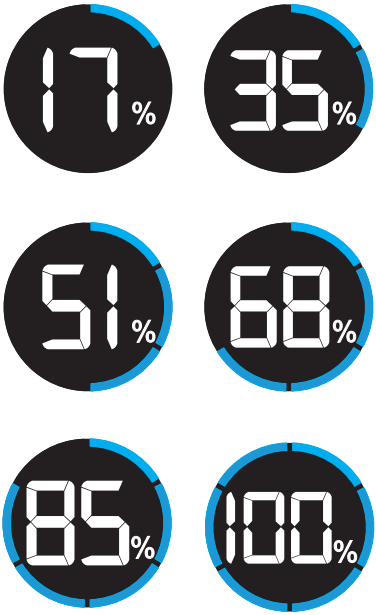
Sleep Mode:

1. When the main power is on, short press the main power button, the LCD Screen will go out, while the power station is still functioning.
2. When the AC/DC output power button is on as well, it will switch to sleep mode automatically within 5 minutes of inactivity and the LCD screen will automatically go out.
3. When the power station is operated, the LCD Screen will light up again.

Automatic Shut Down:

1. When the main power is on, it will automatically shut down after 5 minutes without operation.
2. When the AC/DC output power button is on as well, it will automatically shut down after 6 hours without any load connected.

Battery Capacity Circle



The battery capacity circle indicates the battery remaining power and is equally divided into six segments: 17%, 35%, 51%, 68%, 85%, and 100%.

Discharge: The capacity segments will go out one by one and the rest luminous segments indicate the remaining capacity.

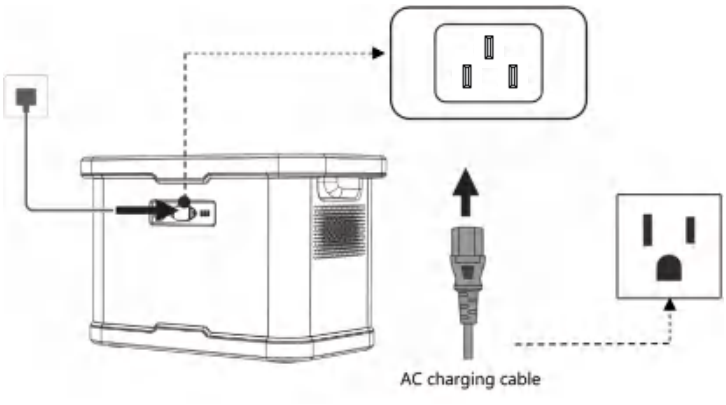
Charge: The capacity circle will flash clockwise and the real-time input power is displayed on the right side of the screen.(Input Watts)

Fully Charged: The Battery Capacity Circle will remain constant on and the fan icon will go out.

Reminder: Unplug when charging is complete.

Recharge Methods

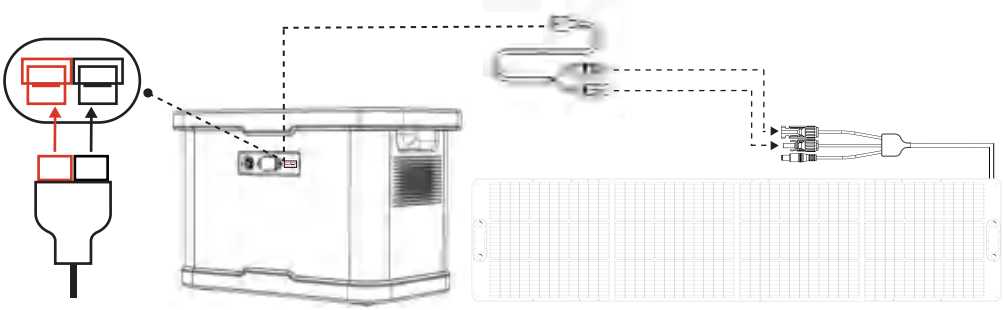
AC Charging



1. Connect AC charging cable to connect the power station as shown in the above picture.
2. The input power will be displayed on the screen, showing that the device starts charging.

Solar Charging

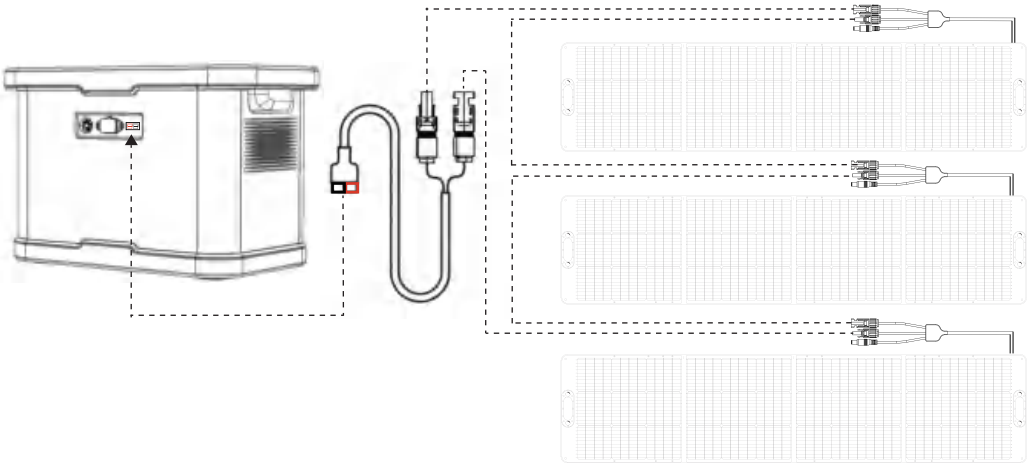
1. Use Anderson-MC4 charging cable to connect anderson connector with PV input port on the power station, red cable to red port and black cable to black port.
2. The capacity circle on the screen will start rotating, and the input power will be displayed, indicating that the device is charging via solar power.



Solar Charging

Connection Guide

Connect 3 OUPES 240W solar panels at most in series to get maximum power at 719.55W.



Notice:

1. Make sure the solar panels meet the following requirements:

OCV: 78V； Current: 13A； Max Power: 800W

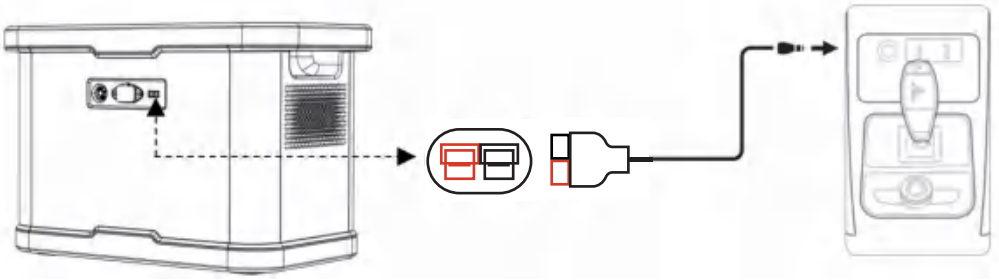
2. Make sure that the solar panel is positioned at a perpendicular angle to the sun's rays for the best solar energy conversion efficiency.

3. OUPES 240W solar panel is an optional accessory for the power station.

Recharge Methods

Car Charging

1. The car charging port supports 12-15.5V/8.5A car charging input electricity.
2. To protect your car battery from power loss and prevent the car from being unable to start, please ensure that the car is started before connecting car charging cable to cigarette lighter.
3. At the same time, please check if the car charging port and the cigarette lighter of the car charging input cable are in good connection.



Other Functions

Boost Mode

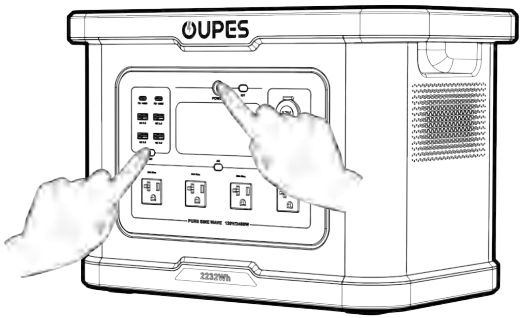
To prevent operational failures caused by overload protection, the power station automatically activates Boost Mode when the total output power exceeds the rated 2400W output power. It enables the power station to supply up to 2600W power to high-wattage devices.

Notice:

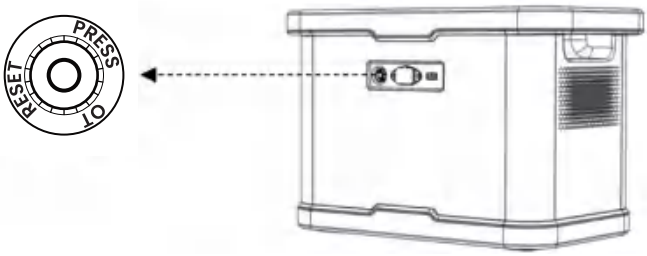
1. Boost Mode is enabled by default.
2. Boost Mode is not available when the AC output is turned on and AC charging at the same time. In this case, the power station is in the bypass mode.
3. The boost mode is suitable for most electrical appliances such as heating and motor-driven equipment, some appliances equipped with voltage protection like precision instrument are not applicable to the boost mode.

Frequency Switching

1. Turn off the AC and DC output power buttons.
2. Simultaneously press and hold DC output power button on USB side and main power button for 3-5 seconds, till the frequency sign flashes on the screen.
3. Press AC output power button to choose frequency "50" or "60".
4. Long press the main power to confirm, then the abbreviation "SUC" will flicker and the battery circle will appear on the screen.
5. Long press the main power button to exit the setting mode.



AC Input Overload Protection

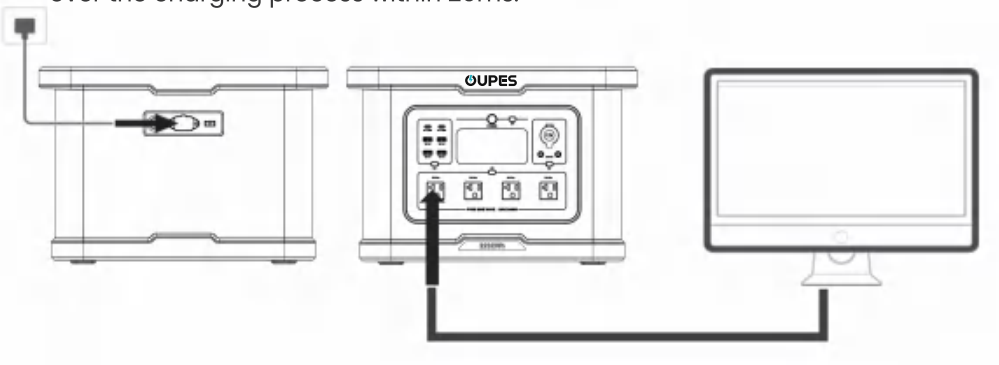


If the AC input receives a continuous current that is greater than 20A, the protector will blow. And the circuit will be cut off to protect the power station.

Please disconnect all the input connections for safety reason, and make sure the input current is lower than 20A. Then press the Overload Protection button to resume charging.

EPS(Emergency Power Supply) Function

1. EPS(Emergency Power Supply) function is enabled by default.
2. Connect the power station to a wall outlet with the AC charging cable, then press the AC output power button and connect your devices. In this case, AC power comes from the power grid instead of battery itself.
3. If the power grid suddenly cuts off, the power battery will automatically take over the charging process within 20ms.



EPS(Emergency Power Supply) Function

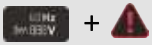
Notice:

1.This is not a professional UPS function and does not support 0ms switching. Thus, do not connect the powe station to equipment requiring an uninterrupted power supply such as data servers, work station and so on.

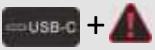
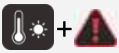
2. It is recommended to charge only one device at a time when you would like to use EPS function.

3.The total input and output power to the power station should lower than 2400W. Otherwise, the power station will report an overload warning and shut down in 1 minute.

Error Code & Trouble Shooting

Error Code	Status	Cause	Solution
E000	 Flashing, no output	AC output short circuit protection	Press the AC output power on/off button for restore.
E001	 Flashing, no output	Output overload protection	The function icon indicates which path is overloaded. Overload protection requires manual recovery. The UPS function is overloaded at 2400W for 1 second.
E002	The corresponding function icon flashes and the corresponding port has no output.	AC Battery low voltage protection	Battery capacity below 20%, load ≤300W, restart the corresponding function button to restore the function and charge in time.
E003	 Flashing, no output	AC output over-voltage and low voltage protection	Need to manually press the AC switch to restore
E004	 Flashing, no output	Abnormal AC input frequency	Automatically recovers after frequency returns to normal
E005	 Flashing, no output at all ports	High and low bus voltage, over-current	Need to manually press the AC switch to restore
E006	 Flashing, no output at all ports	Inverter over-temperature	Automatically resumes after temperature returns to normal
E010	 Flashing, no output at all ports	Cigarette lighter port overload	Need to manually press the AC switch to restore
E011	 Flashing, no output at all ports	Overload and short circuit of the USB-A port	Need to manually press the DC switch to restore

Error Code & Trouble Shooting

Error Code	Status	Cause	Solution
E012	 Flashing, no output at all ports	Overload and short circuit of the USB-C port	Need to manually press the DC switch to restore
E013	E013 no output at all ports	DC Discharge Battery Low Voltage Protection	Restart the corresponding function button to restore the function after protection and recharge in time
E016	E016 +  Flashing	Over-voltage of the inverter input battery	You need to manually press the DC power button to restore
E017	E017 Flashing	Hardware paranoia anomaly	Need to manually press the main power button to restore
E020	 Flashing	BMS communica-tion failure	Check BMS communication cable
E021	E021 Flashing	Battery cell high voltage alarm	Leave the device in place and wait for the cell voltage to recover automatically
E022	E022 Flashing, all outputs off	Battery cell low voltage alarm	Connect the AC charging cable and charge until the voltage returns to normal
E023	E023 Flashing, no output shutdown	High total battery voltage	Leave the device in place and wait for the cell voltage to recover automatically
E024	 Flashing, all outputs off	Total battery voltage too low	Connect the AC charging cable and charge until the voltage returns to normal
E025	 Flashing, all outputs off	High temperature of battery cell	It will automatically return to normal when the temperature returns to normal.
E026	 Flashing, all outputs off	Low temperature of battery cell	It will automatically return to normal when the temperature returns to normal.
E027	AC icon flashing, AC function off, DC output normal, AC greater than 2600VA or AC+DC greater than 2600W	system overload	Need to manually press the AC switch to restore

Storage and Maintenance

1. Please use a dry, soft, clean cloth or paper towel to gently wipe the product.
2. Please store the power station away from water resources, heat resources, metal objects and chemical substances.
3. Store it in a dry, well-ventilated place at room temperature. The recommended storage temperature is -4°F-149°F (-20°C-65°C).
4. Charge it to around 60% capacity and turn off the product before storing it.
5. For long-term storage, it is recommended to fully discharge and then fully charge the battery(0%-100%) once every 3 months. And the warranty will be voided if the power station has not been charged or discharged in 6 months.

What type of battery does the product use?

The Exodus 2400 uses high-quality lithium iron phosphate (LiFePO4) batteries.

2. What equipment can be connected to the AC output port?

The AC output port has a rated power is 2400W, peak power is 4500W, making it suitable for most household appliances. However, it is recommended to confirm the power requirements of your appliances and the total power consumption of all connected devices is below the rated power.

3. How long can the product provide power to my appliance?

The LCD screen displays the estimated runtime based on the current power usage. For devices with stable power consumption, the estimated runtime will be close to the time shown on the screen.

4. Can this product be charged using a gasoline or diesel generator?

Yes, it can be charged with a generator that has a built-in pure sine wave inverter. The company will not be responsible for any product damage caused by using a generator without this feature.

5. How can I tell if the product is charging?

When charging, the capacity circle on the LCD screen will rotate, and the input power will be displayed.

6. Can this product be brought on board a plane?

No, this product cannot be brought on board a plane due to aviation regulations for lithium-based batteries.

7. Is the actual output capacity of the product the same as the capacity specified in the user manual?

The capacity shown in the user manual is the rated capacity of the battery pack. Due to efficiency losses during charging and discharging, the actual output capacity may be slightly lower than the rated capacity.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Notice:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

(1)Reorient or relocate the receiving antenna.

(2)Increase the separation between the equipment and receiver.

(3)Connect the equipment into an outlet on a circuit different from that towhich the receiver is connected.

(4)Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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NO POWER OOPS WITH OUPES

Customer Service Hours (EST):

Call Us: +1 (209) 400-9909(9:00 AM - 5:00 PM, Mon. - Fri.)

Email Us: 9:00 PM - 5:00 AM, Mon. - Fri.

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