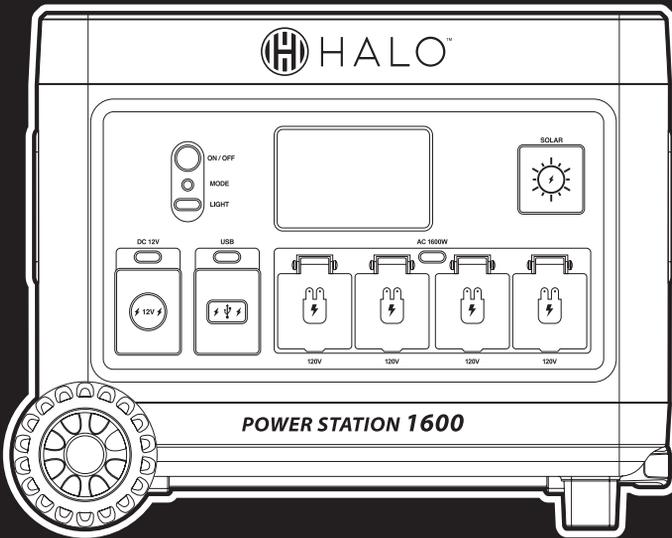




HALO[®]

POWER STATION 1600



Operating Instructions

PLEASE READ BEFORE OPERATING THIS EQUIPMENT

CONTENTS

SAFETY INSTRUCTIONS	02
INTRODUCTION	04
IN THE BOX	04
DEVICE COMPATIBILITY	05
PRODUCT OVERVIEW	06
LCD DISPLAY	07
USING THE TROLLEY	08
CHARGING YOUR POWER STATION	09
POWERING YOUR DEVICES	11
ADDITIONAL FEATURES	12
MAINTENANCE AND STORAGE	13
DISPOSAL / RECYCLING	14
TRANSPORT OF DANGEROUS GOODS	14
TECHNICAL SPECIFICATIONS	15
LIST OF FAULT CODES	16
TROUBLESHOOTING	16
FCC NOTE	17
LIMITED WARRANTY	17

THANK YOU

We appreciate your business and would like to thank you for choosing HALO!

Your safety is important to us.

Please read the instructions carefully and utilize the proper precautions before operating this equipment.

IMPORTANT

Before using your power station for the first time, fully charge it to ensure the best performance.

SAFETY INSTRUCTIONS

**FOR ALL QUESTIONS RELATED TO SAFETY, WARRANTY
OR EXCHANGE REQUESTS, PLEASE CONTACT US.**

1-800-255-6061

YOUR SAFETY IS IMPORTANT TO US.

Please read instructions carefully and utilize the proper precautions before operating this equipment. Save instructions for future reference.

- When used correctly, lithium-ion rechargeable batteries provide a safe and dependable source of portable power. However, if they are misused or abused, this may result in leakage, burns, fire, or explosion, causing personal injury or damage to other devices.
- Misusing or incorrectly connecting your power station may cause electric shock to users and damage equipment.
- Keep your power station dry and away from moisture, water, and corrosive materials.
- Do not expose your power station to moisture, water, rain, or snow.
- Keep your power station away from heat sources, including open flames, radiators, stoves, ovens, and any other devices that produce heat.
- Do not expose to fire or excessive temperature. Do not expose to heat above 212° F (100° C) or incinerate.
- In the unlikely event of leakage or explosion use sand or a chemical fire extinguisher.
- Your power station may become warm under extended high power operation. Do not cover, wrap, or otherwise restrict air flow around the power station during operation.
- Do not disassemble your power station. There are no user-serviceable parts inside. Incorrect reassembly may result in shock or fire hazard.
- Do not drop or subject to strong impacts. Do not operate your power station if it has received a sharp blow, or has otherwise been damaged in any way.
- Do not puncture, crush, or subject to mechanical shock.
- Keep away from children and pets. The power station, along with its accessories are not toys.
- Make sure the power station's charging ports do not become contaminated with lint or other debris. Use a canned-air type of product periodically to ensure that the port openings are clear.

⚠ WARNING

**IF THE PRODUCT OVERHEATS, BECOMES SWOLLEN,
OR IS DEFORMED IN ANY WAY, IMMEDIATELY STOP
USING AND CONTACT CUSTOMER SERVICE.**



⚠ WARNING
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

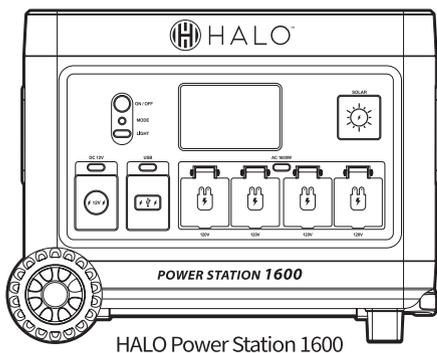
**CONFORMS TO
UL2743**



INTRODUCTION

Whether you're a modern nomad taking your RV to new horizons, or a homeowner seeking reassurance during unexpected outages, the **HALO® Power Station 1600** is your answer to staying charged and connected. A fusion of power, portability, and versatility, this power station promises to empower your experiences and keep you charged at home, in the backyard and even the backcountry.

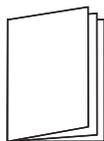
IN THE BOX



120V AC Power Cord



DC 12V to High Power Port (HPP) Cable



User Manual

DEVICE COMPATIBILITY

The power requirements, run times and recharge figures below are estimates and are provided for reference purposes only. Actual results may vary by device.



Laptop
52.6Wh
~19 Recharges



Smartphone
20Wh
~49 Recharges



32" TV
60W
~16 Hours



Camera
6.8Wh
~145 Recharges



Drone
77Wh
~13 Recharges



Mid-Size Fridge
265 kWh per year
~33 Hours



Floodlight
5W
~197 Hours



CPAP
60W
~16 Hours



String Lights
50W
~20 Hours



Pellet Smoker
75W
~13 Hours

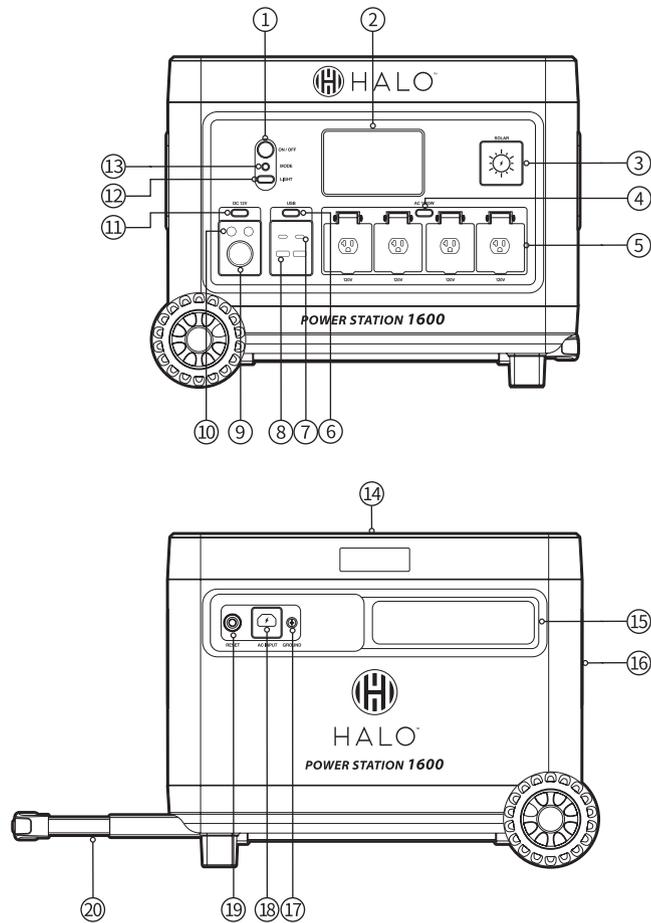


Game Console
210W
~5 Hours



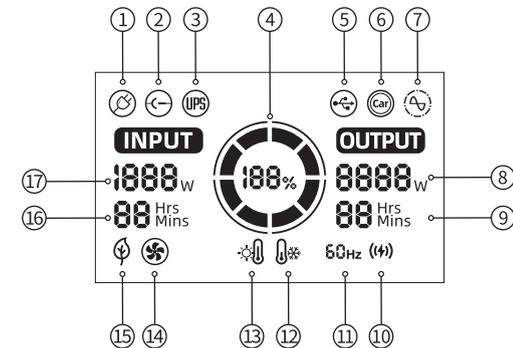
Modem
48W
~21 Hours

PRODUCT OVERVIEW



- | | |
|-----------------------------|---|
| 1. Power On/Off Button | 11. DC Output On/Off Button |
| 2. LCD Display | 12. LED Light On/Off Button |
| 3. DC/Solar Input Port | 13. Fast/Slow Charge Mode On/Off Button |
| 4. AC Output On/Off Button | 14. Wireless Output (top panel) |
| 5. AC Output Ports | 15. LED Light |
| 6. USB Output On/Off Button | 16. Air Vents (side panels) |
| 7. USB-C Output Ports | 17. Ground Terminal |
| 8. USB-A Output Ports | 18. AC Input Port |
| 9. 12V Output Port | 19. Overload Protection (OLP) Reset |
| 10. DC Output Ports (5521) | 20. Trolley with Handle and Wheels |

LCD DISPLAY

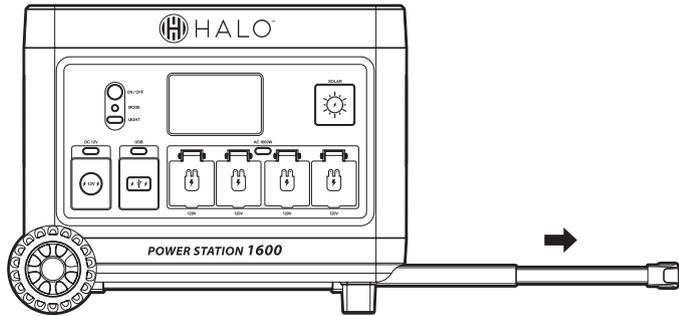


1. **AC Input:** During AC charging, this icon displays on the LCD.
2. **DC Input:** When solar panel or DC source is connected to the DC/Solar input, the icon will turn on.
3. **Uninterruptible Power Supply (UPS):** An uninterruptible power supply (UPS) is backup feature that provides near instantaneous power in the event of an unexpected power failure or outage which protect sensitive equipment from damage.
Devices with sensitive electronics like CPAP machines, some medical equipment, or computers can benefit from the UPS feature. Instead of powering down during an outage, they maintain performance despite the power outage.
4. **Battery Level Indicator:** Indicates the level to which the battery is charged.
5. **USB Output:** This icon Indicates the USB port is enabled.
6. **12V Output:** This icon indicates the 12V car charger socket is enabled.
7. **AC Output:** This icon indicates the AC output is enabled.
8. **Output Power:** This value displays the real-time power consumption, which changes according to the devices currently connected.
9. **Discharge Time:** Estimated time to fully discharge the internal battery.
10. **Wireless Icon:** Wireless output is on when this icon is displayed.
11. **AC Output Frequency:** Indicates the AC output frequency.
12. **High Temperature Warning:** When this icon illuminates, the internal temperature has reached its high temperature limit and the unit will shut off automatically. The power station will not be able to charge or discharge until operating temperature is reached.
13. **Low Temperature Warning:** When this icon illuminates, the internal temperature has reached its low temperature limit and the power station will not be able to provide output or being charged. The power station will not be able to charge or discharge until operating temperature is reached.
14. **Cooling Fan Status** Cooling fan is on when the fan icon is displayed.
15. **Slow Charge Mode Status:** When this icon is illuminated, the AC input is limited to 300W. This will result in a longer recharge time, but reduces the strain on the battery cells to promote a longer lifespan. Additionally, this can prevent tripping your circuit breaker if you are powering multiple high wattage devices at the same time.
16. **Input Time:** Estimated time to fully charge the internal battery.
17. **Input Power:** When being charged by AC, DC or AC and DC, the total will be displayed under "INPUT." DC/Solar input takes priority over AC input, when both are being used.

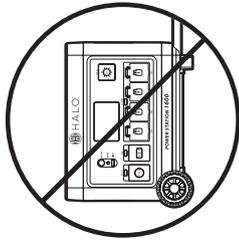
USING THE TROLLEY

Extending the handle

Press button on hand grip and extend handle outward, making sure that it locks into place. Slowly tilt your power station upward to roughly 45° degrees.

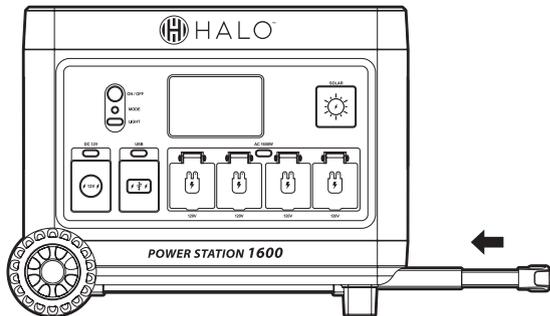


CAUTION: Do not stand the power station fully on its side, as doing so could damage the device and/or restrict air flow to the cooling vents. The power station is designed to be used and stored only while the wheels and handle standoffs are placed fully on the ground.



Stowing the handle

Gently lower your power station back down so it is resting on the rubber feet. Press button on hand grip and collapse handle inward, making sure that it locks into place.



CHARGING YOUR POWER STATION

Charging

Fully charge your HALO Power Station 1600 prior to using it the first time. When in storage, you should fully charge it every 3 months to maintain peak performance. See MAINTENANCE AND STORAGE on pg. 13 for more information.

There are three ways to charge your power station:



AC Charging (wall outlet)
1200W Max Input



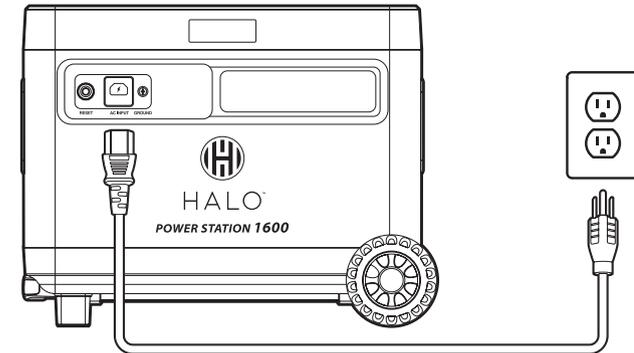
12V Car Charger
120W Max Input



Solar Charging
800W Max Input

AC charging

Use the AC charging cable provided to charge the device. It takes 1.8-2.8 hours to full capacity. When battery level reached 100% and input power is 0, this means the internal battery has been fully charged, the screen will turn off.



AC Power Cable

Overload Condition:

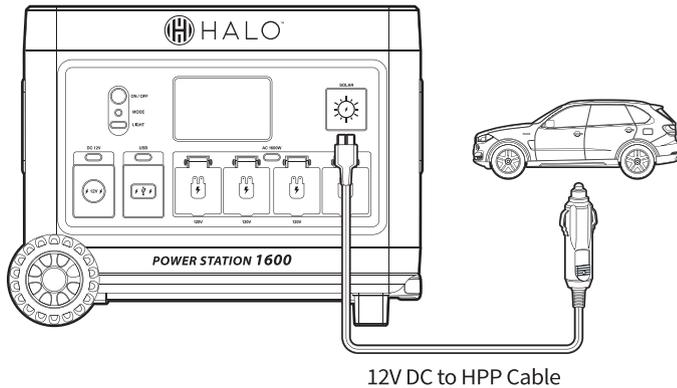
When the power supply current is unstable due to lightning or other reasons, and there is a large current at the AC input, the overload protection function will activate and cut off the AC input port.

Follow the below steps to restore the AC input function:

1. Turn off the power button and unplug all ports.
2. After confirming there are no issues, turn on the power button.
3. Press the **Reset** button and connect the AC cable.

12V car charger

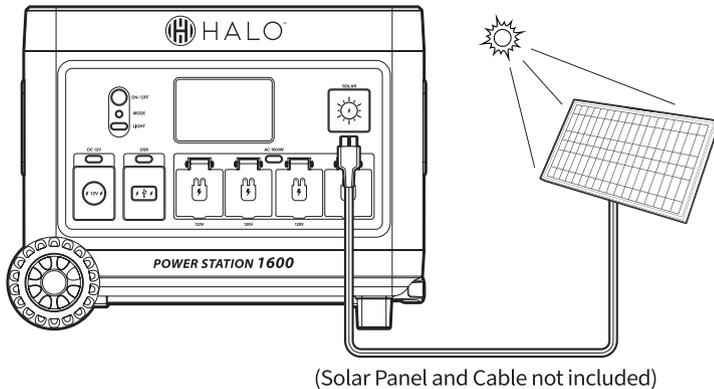
Use the car charger provided to charge. It takes 18 hours to fully charge. When the LCD display shows that the battery power is 100%, it means that the battery is fully charged.



Note: To avoid discharging your vehicle battery, be sure to start your vehicle.

Solar panel charging

Connect the cable that came with your solar panel (not included) into the HPP Input Port. Position your solar panel to receive direct sunlight. The DC input icon will appear on the Power Station display along with the current input watts and estimated recharge time. When the charge percentage reaches 100%, your power station is fully charged.



CAUTION: Do not connect power sources with different voltages to the HPP port in parallel as OVERLOAD IS POSSIBLE AND CAN CAUSE DAMAGE TO EQUIPMENT. Ensure the voltage at the HPP port does not exceed 75V.

POWERING YOUR DEVICES

1. Power up the power station

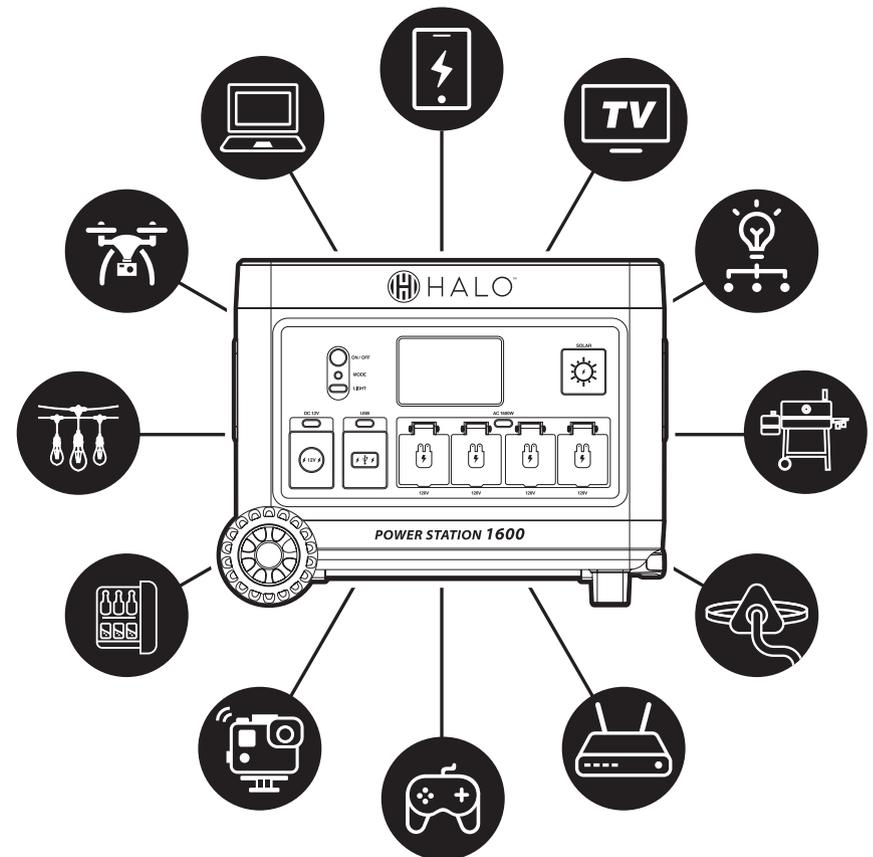
Press the Power button for 2-3 seconds to turn the power station on or off. Your devices will not charge if you skip this step.

2. Plug in your device

Plug the device you wish to power/charge into the appropriate port. You can charge up to 12 devices at once using the various ports.

3. Turn on the port

Press the ON/OFF button corresponding to the port you're using. For example, if you're charging a device from one or more of the 4 USB ports, press the **USB ON/OFF** button to activate the ports.



ADDITIONAL FEATURES

Rapid Recharge

Recharge in as little as 2 hours via the AC high input mode with the included AC charging cable.

Uninterruptible Power Supply (UPS)

UPS is a backup feature that provides near-instantaneous power in the event of an unexpected power failure or outage which can protect sensitive equipment from damage or shutdown.

Dynamic Voltage Adjustment

Dynamic Voltage Adjustment (DVA) provides extra versatility to power devices beyond the 1600W rating by dynamically adjusting the output voltage to allow you to run power tools and appliances that require up to 3200W*.

*Some appliances and tools have precise voltage and wattage requirements and may have reduced relative performance or may not be compatible with DVA. For best results, only connect one device when attempting to use this feature.

MAINTENANCE AND STORAGE

Equipment cleaning

- Make sure the device is unplugged and no devices are connected.
- Wipe with a clean, dry cloth.
- Do not use corrosive cleaners or solvents.
- Blow out debris from ports with compressed air.
- Remove any foreign objects, dirt or other obstructions from the vents on both sides. Do not allow debris, dirt or other blockage to enter the equipment.

⚠ WARNING: To avoid the risk of electric shock, do not use metal objects to clean the ports.

Storage

- When not in use, store the power station in a cool, dry place.
- Do not store in direct sunlight. Excessive temperature will lead to reduced service life, overheating and fire.
- Extremely cold conditions below the specified storage range can also impair the performance and service life of the equipment. Please keep away from corrosive chemicals and gases.
- Do not cover the equipment with towels, clothes or other items. Regularly check the side vents for dust and foreign matter, and clean them according to the cleaning procedures specified in the manual.
- After taking it out of storage, perform a visual inspection to ensure that the appearance of the equipment and all accessories are qualified. Check the vents on the intake and exhaust sides to make sure they are free of foreign objects.
- Do not stand the power station fully on its side, as doing so could damage the device and/or restrict air flow to the cooling vents. The power station is designed to be used and stored only while the wheels and handle standoffs are placed fully on the ground.

Battery Maintenance

- To get the maximum life out of your battery, we recommend that every 3 months you charge the power station for 2 hours. During charging, the fans may turn on and the unit may get warm. This is normal. Leave the unit plugged in until the fan stops.

Grounding Terminal

- The HALO® Power Station 1600 includes a grounding terminal for your safety. The HALO® Power Station 1600 should be connected to a suitable earth ground. Proper grounding reduces the risk of electric shock by providing a path for fault currents. Please consult a qualified electrician and/or local electrical codes if you are unsure about proper grounding.

DISPOSAL / RECYCLING



Do not put the device and its accessories in the trash can. Items must be properly handled in accordance with local laws and regulations. For additional information, please see www.epa.gov.

TRANSPORT OF DANGEROUS GOODS

The **HALO® 1600 Power Station** meets all legal requirements for the transportation of dangerous goods. The capacity of the lithium battery pack exceeds 100Wh.

According to international standards, if the power station is transported by air, it must be transported in accordance with IATA standard packaging. The instructions and labeling requirements of the International Air Transport Association and related declarations must be completed.

TECHNICAL SPECIFICATIONS

INPUT	
AC	1x AC 100V-130V, 10A 60Hz (1200W Max)
DC	1x High Power Port (HPP) Cable Port 12-75V, 25A (800W Max)
OUTPUT	
AC	4x AC Ports 120V 60Hz, 1600W Rated (3200W Surge)
DC	2x DC5521 Ports 12V/10A (120W Max)
	1x CLA/Car Port 12V/10A (120W Max)
USB	2x USB-A, Quick Charge (QC) 18W (36W Max)
	2x USB-C, Power Delivery (PD) 100W (200W Max)
Wireless	1x Charging Pad (10W Max)
LED	1x Floodlight (5W Max)
BATTERY	
Chemistry	Lithium Iron Phosphate (LFP)
Energy	1228.8Wh, 51.2V
Capacity	24000mAh
INVERTER	
Type	Pure Sine Wave
UNINTERRUPTIBLE POWER SUPPLY (UPS)	
Switching Time	<10 milliseconds (ms)
OPERATING TEMPERATURE	
Charge	32° - 104° F (0° - 40° C)
Discharge	14° - 104° F (-10° - 40° C)
Storage	4° - 113° F (-20° - 45° C)
PRODUCT	
Dimensions	17.6 x 15.3 x 13.6 inches (447 x 389 x 345 mm)
Weight	47.4 lb (21.5 kg)

LIST OF FAULT CODES

Error Code	Potential Cause	Solutions
	High temperature warning	Please stop using the product and let it cool down until the icon disappears.
	Low temperature warning	Please stop using the product until the icon disappears.
E01	Battery overvoltage	Please disconnect the charging cable and stop charging.
E02	Battery undervoltage	Please disconnect the output and charge the device.
E03	Inverter overheating	Please disconnect the output and wait 1-2 hours before operation.
E04	Abnormal input voltage	Please disconnect the charging cable.
E05	Abnormal grid frequency	Please disconnect the charging cable.
E06	Abnormal output voltage	Please contact customer service center.
E07	Short circuit is detected on one of the output port	Please disconnect the output and check the electrical equipment.
E08	Overload is detected	Please disconnect output.
E09	Inverter failure	Please contact customer service center.
E16	Charge overload	Please disconnect the output load.

NOTE: When the DC load is abnormal, the system will automatically turn off the output and will not show the fault code. Please disconnect the output and check the electrical equipment then try again. When the USB load is abnormal, the corresponding output power will be zero and the system will not show the fault code. Please disconnect the outputs and check the electrical equipment, then try again.

TROUBLE SHOOTING

Output ports will not turn on

1. Check whether the connecting cable has been inserted in the right place.
2. Check whether the total output power exceeds the rated output power.
3. Check whether the temperature of the equipment outside of its operating range.

The power station is not charging

1. Confirm that the AC socket on the wall and the AC charging cable are fully inserted into the AC input terminal.
2. The device cannot be charged immediately after it is discharged. Please put it aside for an hour and try again, because it may enter the over-temperature protection.

FCC NOTE

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

NOTE: 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:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure rerequirement.

The device can be used in portable exposure condition without restriction.

FCC RF Radiation Exposure Statement Caution: To maintain compliance with the FCC's RF exposure guidelines, this product must be at least 20cm from nearby persons.

LIMITED WARRANTY

At HALO, we are dedicated to making the best quality products. To back this up, this product is warranted. HALO warrants its products to be free from defects in material and workmanship under normal use. During the first 90 days from date of purchase, HALO will repair or replace the defective product. This warranty does not affect any statutory rights that you may be entitled to. Keep a copy of your purchase receipt as proof of purchase.

**FOR ALL QUESTIONS ABOUT THE WARRANTY
OR EXCHANGE REQUESTS, CONTACT US.**

1-800-255-6061



HALO®



PRODUCT REGISTRATION

www.HALOPWR.com