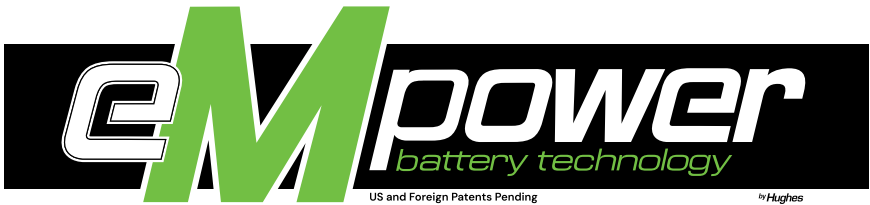


User Manual



Portable Power Station

3.68kWh

eMpower is a product of Hughes Tool Company.
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Introduction

The eMpower Portable Power Station provides reliable AC power for a variety of devices, including:

- ▶ Refrigerators
- ▶ Electric fans
- ▶ Televisions
- ▶ Mobile phones
- ▶ Tablets
- ▶ Laptops
- ▶ EVs
- ▶ Desktop computers
- ▶ Printers
- ▶ Microwave
- ▶ Lamps
- ▶ Photo equipment
- ▶ Sump pump

Important Safety Instructions

WARNING: When using this product, basic precautions should always be followed, including the following:

- ▶ Read all the instructions before using the product.
- ▶ Do not open or disassemble the case. Breaking the security lock will void the warranty. Incorrect reassembly may result in fire or electric shock.
- ▶ Close supervision is necessary when the product is used near children.
- ▶ Do not put fingers, hands, or any body part into the product.
- ▶ Run the product in a dry environment. Do not expose the product to water, rain, or snow.
- ▶ Use only recommended attachments to reduce the risk of fire, electric shock, or injury.
- ▶ To reduce the risk of damage, pull the plug rather than the cord when disconnecting.
- ▶ Do not use the product in excess of its output rating.
- ▶ Do not use if damaged or modified.
- ▶ Do not expose the product to fire or high temperatures.
- ▶ Unplug the power pack from the outlet before moving.
- ▶ Do not service. Servicing should be performed by a qualified repair person using identical replacement parts.
- ▶ Avoid cleaning the product with harmful chemicals or detergents.
- ▶ Use and store the product in an upright position and in a dry location. Store the product between 23°F to 95°F.

CAUTION: Risk of explosion if damaged. Do not replace, open, or try to service the product.

Key Features

- ▶ Heavy-duty portable case with wheels for easy transport
- ▶ 3500W AC output power with 4 outlets, suitable for running demanding appliances
- ▶ Pure sine wave AC output (110V) compatible with most household appliances
- ▶ USB A and USB C outputs for charging mobile devices
- ▶ LED display for real-time status monitoring (battery level, input/output power, etc.)
- ▶ Built-in high-capacity LiFePO4 battery for long-lasting power
- ▶ Multiple charging options: AC grid power and solar panels
- ▶ Safety features: short circuit, overload, over-temperature, overcharge, and over-discharge protection

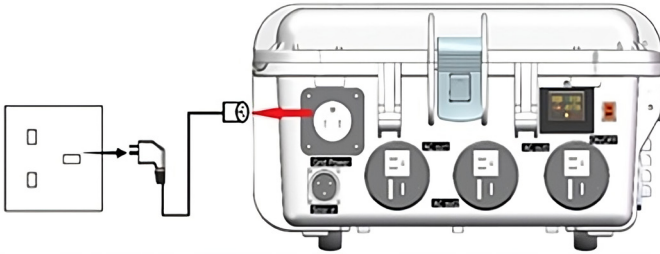
How to Use

1. To operate, plug into a wall outlet. Turn the main switch to the on position
2. Fully charge before use. Plug into the wall and turn the main switch to the ON position.
3. eMpower can remain always plugged in or once charged can be stowed by turning the main switch to off position.
4. Leave the eMpower plugged in, to back up an essential appliance such as a sump pump or freezer. In a power outage it will turn itself on and keep appliance(s) running. After power is restored your eMpower will start recharging.
5. eMpower is fully charged at 56.9 volts. Do not use/run below 43 volts. Your eMpower is equipped to monitor the voltage level.
6. eMpower solar port can be the sole source to recharge.
Please note if eMpower is plugged in to your wall outlet and connected to solar as well, eMpowers onboard computer will distinguish the appropriate charging source to be used.
7. Operate the product in its upright vertical position.

Charging the Power Station

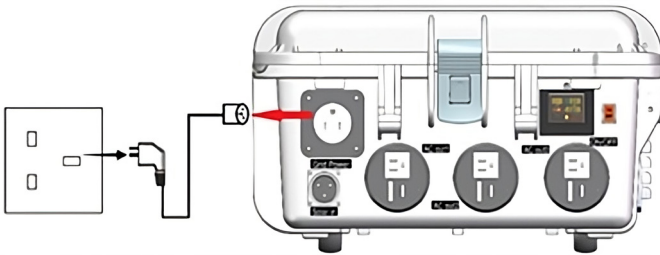
AC Grid Power

1. Connect the provided AC power cord to the AC Grid Power INPUT port and a household AC power socket.
 - ▶ The battery indicator icon on the display will flash, indicating charging.
 - ▶ When the power level reaches 100%, the unit is fully charged.



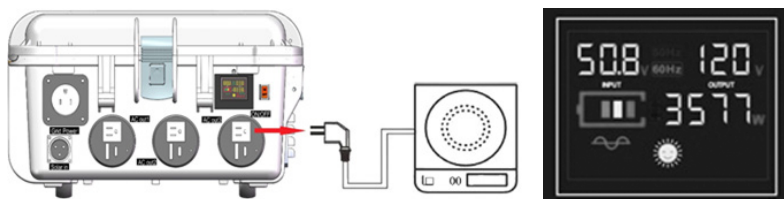
Solar Panel

1. Connect the output of a solar panel and solar charge controller to the Solar (DC) INPUT port.
 - ▶ The battery indicator icon on the display will flash, indicating charging.
 - ▶ When the power level reaches 100% (56.9 volts), the unit is fully charged.



Powering AC Appliances

1. Connect the appliance's power plug to the AC OUTLET port. You can plug in appliances while the unit is connected to a wall outlet. If utility power is lost, eMpower's battery will automatically kick in to keep everything running.
2. Turn on the power switch (ON/OFF).

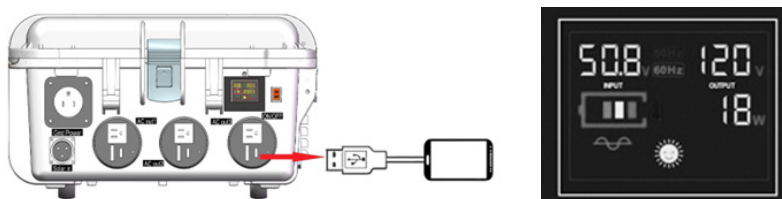


Important Notes:

- ▶ Always check the appliance's input voltage and power requirements before connecting it to the power station.
- ▶ Turn off the AC switch when not in use to conserve battery power.

Powering USB Devices

1. Connect the device's USB cable to the USB port.
2. Turn on the power switch.



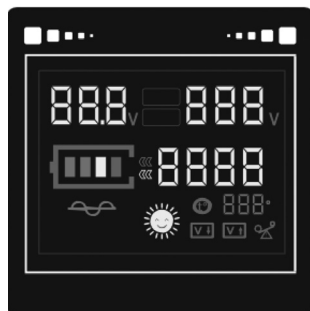
If the device does not automatically power on, try plugging and unplugging the USB cable.

LCD Display

The LCD display provides essential information about the power station's operation.

Display Elements:

- ▶ Input/Output: Indicates whether the unit is charging or discharging.
- ▶ W: Shows the current power output in watts.
- ▶ 50Hz/60Hz: Displays the output frequency.
- ▶ Battery Level: Shows the remaining battery charge.



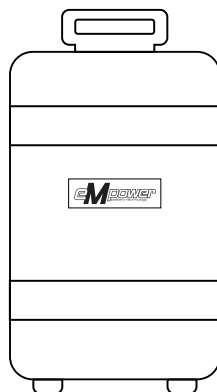
Cold Weather Use

Cold temperatures can affect battery capacity. If using the power station in cold environments:

- ▶ Store the unit in an insulated location.
- ▶ Keep it connected to a power source whenever possible. The heat generated during charging will help maintain optimal battery performance.

Storage and Maintenance

1. Store the product in its upright, vertical position in a dry environment between 23°F to 95°F.
2. Charge the power station to 100% after using. If storing, recharge to 100% every 3 months.
3. Keep the product on a flat surface during use, charging, and storage.



Customer Service

For assistance, contact eMpower Customer Service:

- ▶ Web: <https://empowerbatterytech.com>
- ▶ Email: support@empowerbatterytech.com
- ▶ Phone: +1-858-939-0025

Warranty Policy

The eMpower Portable Power Station comes with a **2-year limited warranty** for purchases made through authorized resellers. The warranty period starts from the date of purchase.

Not Covered Under Warranty:

- ▶ Opening product case / breaking security lock
- ▶ Damage or modifications to the product
- ▶ Disassembled products
- ▶ Misuse or improper storage of the product
- ▶ Products cleaned with harmful chemicals
- ▶ Non-quality-related issues after 30 days of purchase
- ▶ Products without sufficient proof of purchase

Battery Information

This product has a built-in non-removable LiFePO₄ battery. Do not attempt to remove the battery, as this could damage the unit and cause injury.

Recycling

Dispose of or recycle the unit properly according to applicable laws and regulations. Do not incinerate or expose the unit to temperatures exceeding 100°C (212°F).

Disclaimer

The information in this manual is for general guidance only. The manufacturer reserves the right to update the product and its specifications without notice.

Specifications

- ▶ Rated Power: 3500W
- ▶ Battery Capacity: 3.68kWh (72Ah, 51.2V)
- ▶ AC Input Voltage: 120V~ 60Hz
- ▶ Solar Panel Input: 10-60V / 25A
- ▶ USB-A Output: 5V / 2.1A
- ▶ USB-C Output: 5V/3A, 9V/2A, 12V/1.5A
- ▶ Weight: Approx. 83 lbs
- ▶ Dimensions (L x W x H): 24.4 x 20.5 x 14.2 inches
- ▶ Operating Temperature: 14°F to 131°F
- ▶ Storage Temperature: 23°F to 95°F
- ▶ Cooling Method: Forced air cooling
- ▶ Protection Functions: Overcharge, over-discharge, overload, over-temperature, short circuit, under voltage

Frequently Asked Questions

1. What is the maximum power output of the AC outlet plugs?

The AC outlet plugs can deliver a maximum of 3500W to connected devices.

2. What should I do when using a solar charger to charge the power station?

The solar input supports 10-60V solar chargers with the appropriate connectors. We recommend using compatible solar panels for the best performance.

3. Can the USB-C ports be used to charge the power station (input only) or are they output only?

The USB-C ports support output only.

4. What should I do if AC recharging fails?

If AC recharging does not work, contact the installation company.

5. Why is the power station not working after it hasn't been used for a long time?

If the power station is stored at a low capacity for a long time, the lithium batteries may self-discharge, leading to reduced battery lifespan or inability to function. Make sure to charge it to 100% every 2 months.

6. How should I store and maintain the power station?

Unplug outlets and USB, and turn off the main power before storage. Store the power station in its upright, vertical position in a dry and cool environment, and check the battery level periodically. If the battery level is below 30%, fully charge the power station.

7. In case of damage.

Move the device outside the home and contact the installation company for removal.

Notes

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