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Hepway H30

Hepway H30 Portable Power Station User Manual

Model: H30

1. INTRODUCTION

The Hepway H30 Portable Power Station is a versatile and reliable power solution designed for various applications, including outdoor activities, emergency backup, and home use. Equipped with a durable LiFePO4 battery, it provides stable and efficient power to charge and operate a wide range of electronic devices and small appliances.

2. WHAT'S INCLUDED

Upon unboxing your Hepway H30 Portable Power Station, you will find the following items:

- Hepway H30 Portable Power Station
- AC Wall Charger Adapter
- Car Charger Cable (DC charging kit)
- Instruction Manual



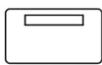
Image: The Hepway H30 Portable Power Station displayed with its AC wall charger adapter, car charger cable, and instruction manual.

3. PRODUCT OVERVIEW

The Hepway H30 is designed for portability and ease of use, featuring a compact form factor and a clear display. It incorporates a robust ABS flame-retardant anti-leakage enclosure and dual silent fans for efficient cooling.

3.1. Key Components

- **Portable Handle:** Integrated for easy transport.
- **HD LCD Screen:** Displays battery percentage, input/output wattage, and remaining usage time.
- **Dual Silent Fans:** Ensures efficient heat dissipation with minimal noise.
- **ABS Flame-retardant Anti-leakage Enclosure:** Provides durability and safety.



Portable Handle



Dual Silent Fans



ABS Flame-retardant Anti-leakage Enclosure



HD LCD Screen



Image: A detailed view highlighting the portable handle, dual silent fans, ABS flame-retardant enclosure, and the HD LCD screen of the Hepway H30.

3.2. Output Ports

The H30 offers a variety of output ports to accommodate different devices:

- **2 x AC 120V Outlets:** For standard household appliances (up to 300W continuous, 500W peak).
- **2 x USB-C Ports:** One PD 100W for fast charging laptops and other compatible devices, and one PD 20W.
- **2 x USB-A Ports:** QC 18W for quick charging smartphones and tablets.
- **2 x DC5525 Ports:** DC 12V 10A for compatible DC devices.

8 Devices at Once Simultaneous Fast Charging



AC OUTPUT *2



DC5525 OUTPUT *2



USB-A OUTPUT *2



TYPE-C *2



Image: The Hepway H30 with labels indicating its 8 output ports, including AC, DC5525, USB-A, and USB-C, designed for simultaneous fast charging.

4. CHARGING THE HEPWAY H30

The H30 Portable Power Station can be recharged using three primary methods:

- **AC Wall Outlet:** Use the provided AC adapter to charge the unit from a standard wall socket. A full charge takes approximately 5 hours.
- **Car Charger:** Utilize the included car charger cable to recharge the H30 from your vehicle's 12V DC outlet while driving. A full charge takes approximately 5 hours.
- **Solar Panel (Sold Separately):** Connect a compatible solar panel to the DC input port for eco-friendly charging using sunlight. A full charge takes approximately 5 hours, depending on solar intensity.

3 WAYS TO RECHARGE



Image: Visual representation of the three ways to recharge the Hepway H30: via car charger, AC wall outlet, and a solar panel.

5. BATTERY TECHNOLOGY (LiFePO4)

The Hepway H30 utilizes advanced LiFePO4 (Lithium Iron Phosphate) battery technology, offering significant advantages over traditional lithium-ion polymer (LiPo) batteries:

- **Extended Lifespan:** LiFePO4 batteries provide over 3500 charge cycles, translating to a lifespan of more than 10 years with daily use, significantly longer than LiPo batteries (typically 300-400 cycles).
- **Enhanced Safety:** Integrated BMS (Battery Management System) ensures safer operation by monitoring temperature and preventing overcharge/discharge.
- **Temperature Tolerance:** LiFePO4 cells perform reliably across a wider range of temperatures, making them suitable for diverse outdoor conditions (hot or cold).
- **Stable Charge Retention:** Maintains charge levels for longer periods when not in use, reducing the need for frequent topping off.

LiFePO4 Battery

6x Longer Lifespan



Safer
BMS systems



10-Year
Lifespan



LiFePO4
3500+ Cycles

Image: An infographic highlighting the benefits of LiFePO4 battery technology, including a 6x longer lifespan, enhanced safety with BMS, and over 3500 charge cycles.

6. OPERATING THE HEPWAY H30

To operate the Hepway H30, ensure it is adequately charged. The LCD screen provides real-time information on battery status, input/output power, and estimated remaining usage time.

6.1. Powering On/Off

- Press and hold the main POWER button to turn the unit on or off.
- Individual output sections (AC, DC, USB) may have separate power buttons or automatic activation upon device connection.

6.2. Using AC Outlets

- Locate the 2 AC 120V outlets on the back of the unit.
- Plug in your AC-powered devices (e.g., small appliances, CPAP machines) into these outlets.
- Ensure the total wattage of connected devices does not exceed 300W (500W peak).

6.3. Using DC Outlets

- The H30 features 2 DC5525 ports (12V 10A).
- These ports can be used with compatible DC devices or with adapters (sold separately) to convert to other DC formats, such as a car-style DC outlet.

6.4. Using USB Ports

- **USB-A (QC 18W):** Connect smartphones, tablets, and other USB-A compatible devices for fast charging. The ports intelligently detect the device to optimize charging speed.
- **USB-C (PD 100W & PD 20W):** Use the Power Delivery (PD) USB-C ports for rapid charging of laptops, modern smartphones, and other USB-C PD compatible devices.

7. LED LIGHT MODES

The Hepway H30 includes a built-in LED light with multiple modes for convenience in various situations:

- **SOS Mode:** Emits an SOS signal for emergency situations.
- **Breathing Mode:** A gentle, pulsating light effect.
- **Flashing Mode:** A steady flashing light for visibility.
- **Dim Mode:** Low brightness for ambient lighting.
- **Bright Mode:** High brightness for maximum illumination.

5 LED LIGHT MODES

30% brighter than other power stations



SOS



Breathing



Flashing



Dim



Bright



Image: The Hepway H30 showcasing its five distinct LED light modes, offering versatile illumination options.

8. SPECIFICATIONS

Feature	Detail
Brand	Hepway
Model Name	H30
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Capacity	288Wh
AC Output	300W (Continuous), 500W (Peak), 120V
USB-C Output	1 x PD 100W, 1 x PD 20W

USB-A Output	2 x QC 18W
DC Output	2 x DC5525 (12V 10A)
Charging Inputs	AC Adapter, Car Charger, Solar Panel (DC Input)
Item Weight	7.5 Pounds
Product Dimensions	8.66" L x 8.58" W x 5.2" H
Material	ABS
Special Features	Automatic Shut Down, Lightweight, Short Circuit Protection, Super Quiet

9. SAFETY INFORMATION

Please read and understand all safety instructions before using the Hepway H30 Portable Power Station to prevent injury or damage to the unit:

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from fire, water, and extreme temperatures.
- Avoid dropping or subjecting the unit to strong impacts.
- Use only approved accessories and charging cables.
- Ensure proper ventilation during use and charging.
- Keep out of reach of children.

10. TROUBLESHOOTING

If you encounter issues with your Hepway H30, refer to the following common troubleshooting steps:

- **Unit Not Turning On:** Ensure the battery is charged. Connect to an AC outlet for at least 30 minutes.
- **Device Not Charging:** Verify the output port is active. Check the cable connection and ensure the device's power requirements do not exceed the port's or unit's maximum output.
- **Slow Charging:** Confirm the device is compatible with Quick Charge (QC) or Power Delivery (PD) standards if using those ports. Some devices may charge slower if not compatible.
- **Overload Protection:** If the unit shuts down, it may be due to an overload. Disconnect devices, restart the unit, and connect devices with lower power consumption.

For persistent issues, please contact customer service.

11. WARRANTY AND SUPPORT

The Hepway H30 Portable Power Station comes with a **5-year warranty**, ensuring peace of mind for your purchase. For any questions, technical assistance, or warranty claims, please refer to the contact information provided in your instruction manual or visit the official Hepway website.