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DieHard Portable Power Station 1000-Watt Instruction Manual

Model: DH-20003-01

1. INTRODUCTION

Thank you for choosing the DieHard 1000-Watt Portable Power Station. This unit is designed to provide reliable and portable power for a wide range of applications, from home backup and weather emergencies to outdoor recreation and jobsite use. With its 999Wh lithium-ion battery, it delivers 1000 Watts of continuous AC power and up to 2000-Watt peak capabilities, making it suitable for powering sensitive electronics and various appliances.



Figure 1: DieHard 1000-Watt Portable Power Station, a compact and robust unit with blue accents and a sturdy handle.

2. IMPORTANT SAFETY INFORMATION

Please read all safety instructions carefully before operating the DieHard Portable Power Station. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Keep the unit away from fire and direct sunlight.
- Do not charge, use, or store the unit in a bathroom or in an area exposed to water or moisture.
- Use only the provided charger and cables.
- Ensure proper ventilation during use and charging to prevent overheating.
- The unit incorporates overcharging, temperature, and low battery protection mechanisms to safeguard your devices and the power station itself.

3. PRODUCT COMPONENTS

Familiarize yourself with the various components and ports of your DieHard Portable Power Station:

DieHard

POWER AHEAD®

SMART DISPLAY

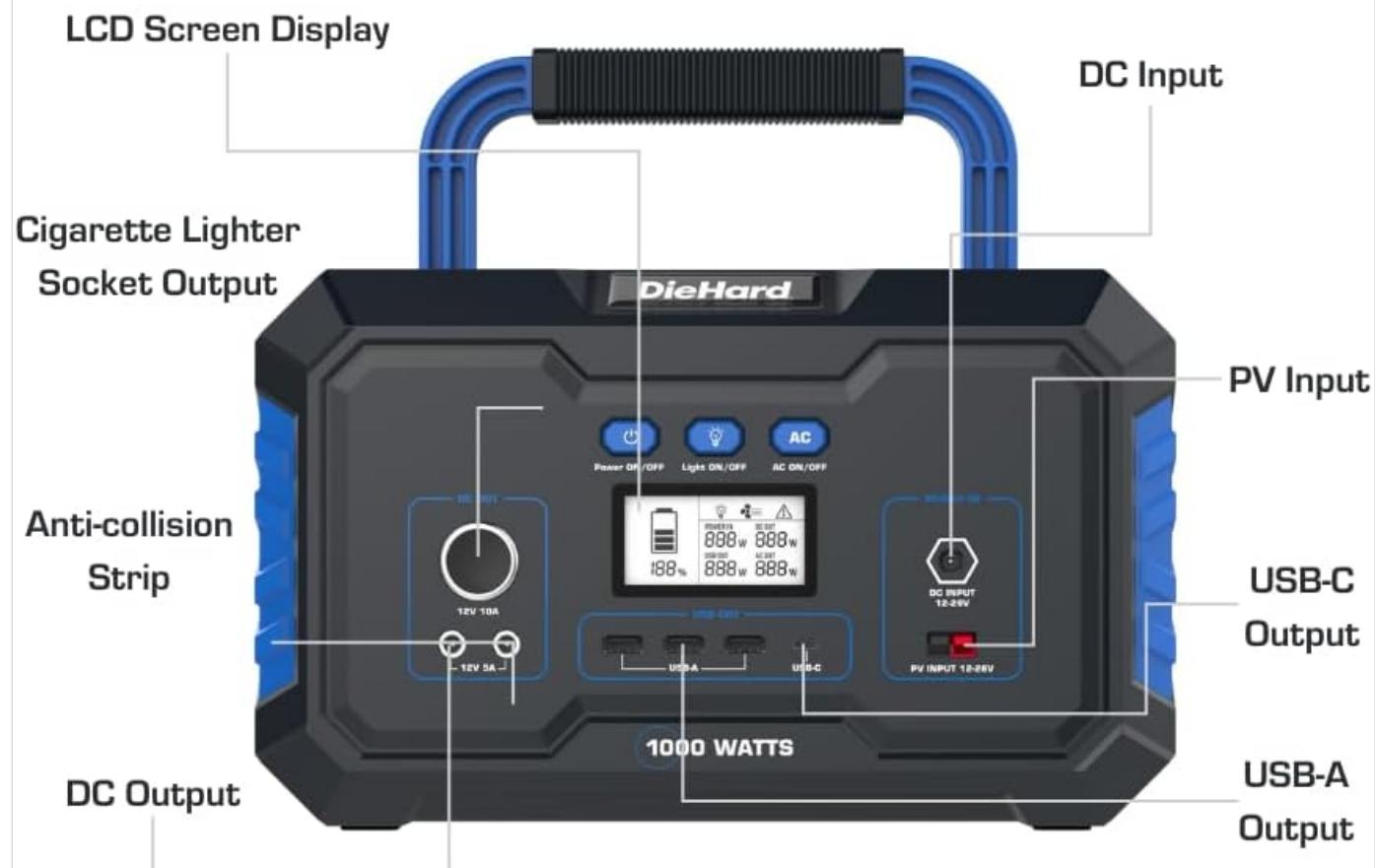


Figure 2: Front panel of the DieHard Power Station, highlighting the LCD screen, input, and output ports.

- **LCD Screen Display:** Shows battery level, input/output wattage, and status indicators.
- **DC Input:** Port for charging via DC sources (e.g., car charger).
- **PV Input:** Port for charging via solar panels (18-24V).
- **USB-C Output:** High-speed charging port for compatible devices.
- **USB-A Output:** Standard USB charging ports.
- **DC Output:** 12V DC ports for various DC-powered devices.
- **Cigarette Lighter Socket Output:** 12V DC output for car accessories.
- **Anti-collision Strip:** Protective rubber strips on the sides for durability.
- **AC Outlets:** Standard household outlets for AC-powered devices.
- **Wireless Charging Pad:** 10-Watt wireless charging surface on top of the unit.

4. SETUP GUIDE

4.1. Unpacking

1. Carefully remove the DieHard Portable Power Station and all accessories from the packaging.
2. Check for any signs of damage during transit. If damaged, do not use and contact customer support.
3. Retain the packaging for future storage or transport.

4.2. Initial Charge

It is recommended to fully charge the power station before its first use to ensure optimal battery performance and lifespan.

- Connect the provided AC adapter to the AC input port on the power station.
- Plug the AC adapter into a standard wall outlet (110V).
- The LCD screen will indicate charging status. The unit is fully charged when the battery icon is full.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off

To power on the unit, press and hold the main Power ON/OFF button until the LCD screen illuminates. To power off, press and hold the same button until the screen turns off.

5.2. Charging the Power Station

The DieHard Power Station offers multiple charging options:

Table 1: Approximate Charging Times

Method	Approx. Time to Full Charge
From AC Adapter	6-8 hours
From Solar Charging (200W DieHard Portable Solar Panel)	7-10 hours (depending on solar conditions)
From Car Charger (12V)	9-11 hours (when car running)

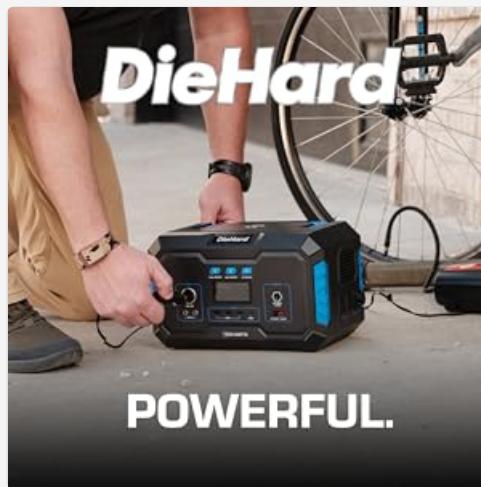


Figure 3: Visual representation of various charging methods and their estimated times.

5.3. Using Outputs

Activate the desired output section (AC, DC, USB) by pressing the corresponding button on the control panel. The LCD screen will show active outputs.

- **AC Outlets:** Press the 'AC ON/OFF' button. Plug in your AC-powered devices. The unit provides 1000W continuous power with 2000W peak.
- **USB Ports (USB-A, USB-C):** Press the 'USB ON/OFF' button. Connect your USB devices for charging.
- **DC Ports (12V DC, Car Charger):** Press the 'DC ON/OFF' button. Connect your 12V DC devices.
- **Wireless Charging Pad:** Place your Qi-compatible device on the charging pad on top of the unit. Ensure the device is centered for optimal charging.

The power station features a Pure Sine Wave optimized output, which provides a stable and clean power supply. This is ideal for powering sensitive electronics without causing interference or damage.



Figure 4: The DieHard Power Station in use, demonstrating its portability and ability to charge multiple devices simultaneously, including a smartphone via USB.

6. MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the life of your DieHard Portable Power Station.

- Cleaning:** Use a dry, soft cloth to wipe the exterior of the unit. Do not use abrasive cleaners or solvents.
- Storage:** Store the unit in a cool, dry place, away from direct sunlight and extreme temperatures. The recommended storage temperature range is 14°F to 158°F (-10°C to 70°C).
- Recharging:** For long-term storage, recharge the unit to 50-80% every 3-6 months to maintain battery health.
- Battery Life:** Avoid fully discharging the battery frequently to maximize its lifespan.

7. TROUBLESHOOTING

If you encounter issues with your power station, refer to the table below for common problems and solutions.

Table 2: Common Issues and Solutions

Problem	Possible Cause	Solution
Unit not charging	Charging cable not properly connected; Power source issue; Charger malfunction.	Ensure all connections are secure. Try a different wall outlet or charging method (e.g., car charger, solar). Contact support if issue persists.
Output ports not working	Output not activated; Overload protection triggered; Low battery level.	Press the corresponding output button (AC, DC, USB) to activate. Reduce the connected load. Recharge the power station.
LCD screen not displaying	Unit is off; Battery completely drained.	Press and hold the Power ON/OFF button. Connect the unit to a charger.
Unit is making noise	Cooling fan operating.	This is normal operation, especially under heavy load. Ensure vents are not blocked.

8. TECHNICAL SPECIFICATIONS

Table 3: DieHard 1000-Watt Portable Power Station Specifications

Feature	Detail
Model	DH-20003-01
Rated Capacity	999Wh
AC Output (Continuous)	1000 Watts
AC Output (Peak)	2000 Watts
Battery Type	Lithium-ion
Dimensions (L x W x H)	12.3" x 7.5" x 7.5"
Weight	19.4 Pounds
Input Options	AC (Wall Outlet), DC (Car Charger), Solar Panel (120W or 200W)
Output Ports	10W Wireless Charging Pad, 2 AC, 3 USB, 1 USB-C, 2 DC, 1 Car Charger

Feature	Detail
Output Waveform	Pure Sine Wave
Operating Temperature Range	14°F to 158°F (-10°C to 70°C)

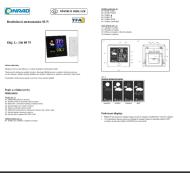
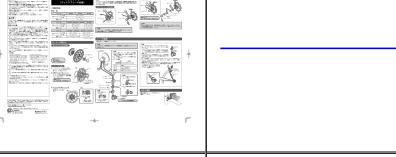
9. WARRANTY AND SUPPORT

DieHard products are built for dependable performance. For specific warranty details, terms, and conditions, please refer to the warranty card included with your product or visit the official DieHard Power Stations website. For technical assistance, troubleshooting not covered in this manual, or to inquire about repairs, please contact DieHard customer support.

Official Website: www.diehardpowerstations.com

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Related Documents - DH-20003-01

	<p><u>TFA.me WLAN Funk-Wetterstation ID-07 Quick Start Guide</u></p> <p>This document provides a quick start guide and setup instructions for the TFA.me WLAN Funk-Wetterstation ID-07. It includes essential information on delivery contents, safety warnings, technical specifications, Wi-Fi requirements, and step-by-step setup procedures for connecting the base station and transmitter.</p>
	<p><u>DieHard DHD5000BiSRCO 5000 Watt Dual Fuel Inverter Generator Operator's Manual</u></p> <p>Comprehensive operator's manual for the DieHard DHD5000BiSRCO 5000 Watt Dual Fuel Inverter Generator, detailing safety instructions, operation procedures, maintenance, troubleshooting, and technical specifications.</p>
	<p><u>TFA SUN Wireless Weather Station 35.1133.01 User Manual</u></p> <p>This user manual provides comprehensive instructions for operating the TFA SUN wireless weather station (model 35.1133.01). It covers setup, features like indoor/outdoor temperature and humidity, weather forecasting, alarm functions, DCF time synchronization, and technical specifications.</p>
	<p><u>DH-S501 DH-T785</u></p>
	<p><u>DieHard 120 Watt Power Inverter Operator's Manual - Model 28.71520</u></p> <p>Operator's manual for the DieHard 120 Watt Power Inverter (Model 28.71520). Provides safety instructions, features, operating procedures, troubleshooting, and specifications for this vehicle power inverter.</p>



[Miller DuraHoist Portable Confined Space System User Manual](#)

User instruction manual for the Miller DuraHoist Portable Confined Space System, covering assembly, operation, maintenance, and accessories for one-piece and two-piece adjustable masts.

Documents - DieHard – DH-20003-01



[\[pdf\] Label](#)

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