

DieHard DH-20001-01

DieHard 300-Watt Portable Power Station User Manual

Model: DH-20001-01

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your DieHard 300-Watt Portable Power Station. Please read this manual thoroughly before using the product and retain it for future reference.



Image 1.1: The DieHard 300-Watt Portable Power Station, a compact and robust power source.

2. SAFETY INSTRUCTIONS

- Do not disassemble, repair, or modify the unit.
- Avoid exposure to high temperatures, direct sunlight, or flammable materials.
- Keep the unit away from water and other liquids.
- Ensure proper ventilation during use and charging.
- Keep out of reach of children and pets.
- Dispose of the unit according to local regulations.

3. PRODUCT OVERVIEW

The DieHard 300-Watt Portable Power Station is designed to provide reliable power for various applications, including home backup, outdoor recreation, and emergencies. It features multiple output ports and a clear LCD display.



Image 3.1: Front panel of the DieHard 300-Watt Portable Power Station, showing the LCD screen, control buttons, and various input/output ports.

Components:

- **LCD Screen Display:** Shows battery level, input/output wattage, and status indicators.
- **Power ON/OFF Button:** Activates or deactivates the unit.
- **Light ON/OFF Button:** Controls the integrated LED light.
- **AC ON/OFF Button:** Activates or deactivates the AC output.
- **DC Input (12V-24V):** For charging the power station via solar panel or car charger.
- **AC Output (110V/60Hz):** Standard wall outlet for AC devices.
- **USB-A Outputs (QC3.0/18W):** Three ports for charging USB devices.
- **USB-C Output:** One port for charging USB-C compatible devices.
- **DC Outputs (12V/10A):** Two ports for DC devices.
- **Cigarette Lighter Socket Output (12V/10A):** One port for car accessories.
- **Wireless Charging Pad (5W):** Located on top for compatible devices.

4. SETUP AND INITIAL CHARGING

4.1 Unboxing

Carefully remove the power station and all accessories from the packaging. Verify that all components are present.

4.2 Initial Charge

Before first use, fully charge the power station. The unit typically arrives with a partial charge. A full charge ensures optimal battery performance and longevity.

1. **AC Charging:** Connect the included AC adapter to the DC Input port on the power station and plug the adapter into a standard wall outlet. The LCD display will indicate charging status. Full charge from AC adapter takes approximately 5 hours.
2. **Car Charging:** Use the included car charger to connect the power station to your vehicle's 12V cigarette lighter socket. This method is most efficient when the car engine is running. Full charge from car charger takes approximately 7-9 hours.
3. **Solar Charging (Optional):** Connect a compatible DieHard 120W or 200W solar panel (sold separately) to the DC Input port. Position the solar panel in direct sunlight for maximum efficiency. Charging time varies based on solar conditions. A 120W solar panel takes approximately 6-9 hours, and a 200W solar panel takes approximately 5-6 hours for a full charge under ideal conditions.



Image 4.1: Visual representation of estimated charging times for the DieHard 300-Watt Portable Power Station using various input methods.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press and hold the **Power ON/OFF** button for a few seconds to turn the unit on or off. The LCD display will illuminate upon activation.

5.2 Using Output Ports

- **AC Output:** Press the **AC ON/OFF** button to activate the AC outlet. Plug your AC-powered device into the port. Ensure the device's power consumption does not exceed 300 Watts continuous or 600 Watts peak.
- **DC Output:** The DC ports (including the cigarette lighter socket) are typically active when the unit is powered on. Plug your 12V DC devices into the appropriate ports.
- **USB Outputs:** Plug your USB-A or USB-C devices into the corresponding ports. These ports are generally active when the unit is powered on.
- **Wireless Charging:** Place your Qi-compatible device on the wireless charging pad located on top of the unit. Ensure the device is properly aligned for charging to begin.



Image 5.1: The DieHard Power Station in use, charging multiple devices simultaneously inside a vehicle.

5.3 LED Light Function

Press the **Light ON/OFF** button to cycle through different light modes (e.g., low, high, SOS). Press and hold to turn off the light.

5.4 LCD Display Information

The LCD display provides real-time information:

- **Battery Level Indicator:** Shows the remaining battery capacity.

- **Input/Output Wattage:** Displays the current power input (charging) and output (discharging) in Watts.
- **Status Icons:** Indicates active AC/DC outputs, fan status, and warning indicators.

6. MAINTENANCE

6.1 Cleaning

Use a dry, soft cloth to clean the exterior of the power station. Do not use abrasive cleaners or immerse the unit in water.

6.2 Battery Care and Storage

- For optimal battery longevity, fully charge the unit every 3-6 months, even if not in use.
- When storing for extended periods, it is recommended to maintain a charge level of approximately 50%.
- Store the power station in a cool, dry place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

7.1 Unit Not Charging

- Ensure the charging cable and adapter are securely connected to both the power station and the power source.
- Verify that the wall outlet or car charger is functioning correctly.
- If using a solar panel, ensure it is in direct sunlight and properly connected. Check for any obstructions or damage to the panel or cables.
- If the issue persists, contact customer support.

7.2 No Output from Ports

- Ensure the power station is turned on.
- For AC output, confirm the AC ON/OFF button has been pressed and the AC indicator is active on the LCD.
- Check the battery level. If the battery is critically low, the unit may automatically shut off outputs.
- Verify that the connected device is functioning and its power requirements do not exceed the power station's capacity. The unit has built-in overload protection.

7.3 Overheating

The power station has an internal cooling fan. If the unit becomes excessively hot, it may temporarily reduce output or shut down to prevent damage. Ensure adequate ventilation around the unit and clear any obstructions from the fan vents.

8. SPECIFICATIONS

Feature	Detail
Model Number	DH-20001-01

Feature	Detail
Battery Type	Lithium-ion
Battery Capacity	288.6Wh
AC Continuous Output	300 Watts
AC Peak Output	600 Watts
AC Output Voltage/Frequency	110V / 60Hz
Output Waveform	Pure Sine Wave
DC Input Voltage Range	12V-24V
DC Output (x2)	12V/10A
DC Car Charger Port	12V/10A
USB-A Output (x3)	QC3.0 / 18W
USB-C Output (x1)	Yes (details not specified, assumed standard)
Wireless Charging	5 Watts
Dimensions (L x W x H)	8" x 6" x 6.5"
Weight	9.3 Pounds
Operating Temperature	Not specified (refer to product packaging)
Manufacturer	Huizhou Intelligent Energy Co., Ltd.

9. WARRANTY AND SUPPORT


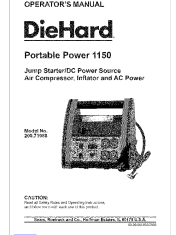




9.1 Warranty Information

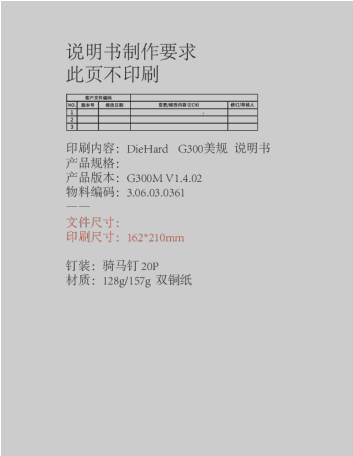
This DieHard Portable Power Station is covered by a manufacturer's warranty. Please refer to the warranty card included with your product or visit the official DieHard website for detailed terms and conditions.

9.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact DieHard customer support. Contact information can typically be found on the product packaging or the official DieHard website.

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	<p>DieHard DHD5000BiSRCO 5000 Watt Dual Fuel Inverter Generator Operator's Manual</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>DieHard Portable Power 1150 Operator's Manual: Jump Starter, Air Compressor, Inflator, AC Power</p> <p>Comprehensive operator's manual for the DieHard Portable Power 1150. This guide covers its functions as a jump starter, DC power source, air compressor, inflator, and AC power source, including detailed safety instructions, operating procedures, specifications, and warranty information.</p>
	<p>DieHard 6V/12V Battery Charger & Engine Starter Operator's Manual</p> <p>Operator's manual for the DieHard 6V/12V Battery Charger & Engine Starter (model 28.71325), providing safety, operation, maintenance, and troubleshooting guidance.</p>
	<p>DieHard 950 Portable Power Jump Starter and 12V DC Power Source - Operator's Manual</p> <p>Comprehensive operator's manual for the DieHard 950 Portable Power, a 12V DC power source and jump starter. Includes safety precautions, charging instructions, usage guidelines for jump starting, USB port, work light, 12V DC devices, and air compressor, as well as maintenance, troubleshooting, and warranty information.</p>
	<p>DieHard Portable Power 750: 12V DC Power Source & Jump Starter Operator's Manual</p> <p>Comprehensive operator's manual for the DieHard Portable Power 750, detailing its features, safety instructions, charging procedures, jump-starting, powering 12V devices, and troubleshooting. Includes warranty information.</p>
	<p>DieHard Portable Power 750 Jump Starter and Power Source - Operator's Manual</p> <p>Comprehensive operator's manual for the DieHard Portable Power 750, a 12V DC power source and jump starter. Includes safety instructions, charging, usage, maintenance, and troubleshooting guides.</p>



[pdf] User Manual Owner's Manual Instructions Troubleshooting Guide Specifications Warranty

PPS User Manual 300 DH 20001 01 FINAL8 DAFySAnv8cQ BAFQ0Vmxggeg Kristie Belton 15 UserMan
US Equity Sales Marketing Inc 20001MV1000 300W Portable Power Station for Diehard 2BEP7DH
2BEP7DH20001MV1000 dh 20001mv1000

JF BSE .7 ii NN 1 HH OWNER S MANUAL 300 WATT PORTABLE POWER
STATION FOR MODEL: **DH-20001-01** DieHard name and logo used under license.
Product distributed by Equity Sales Marketing, Inc., Rogers, AR 72758. OWNER S
MANUAL 300 WATT PORTABLE POWER STATION FOR MODEL: **DH-20001-01**
CONGRATU...

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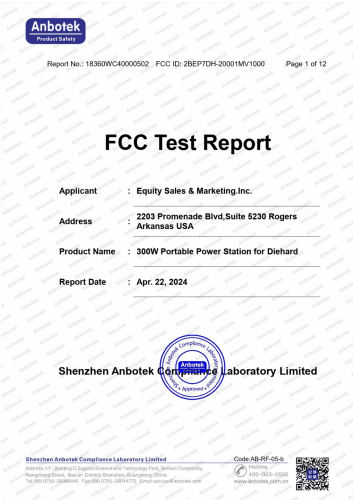


[pdf] Specifications Declaration of Conformity

Antenna Specification Daniela Eckert 17 DH 20001 01 AntSpec p1 r1 Equity Sales Marketing Inc
20001MV1000 300W Portable Power Station for Diehard 2BEP7DH 2BEP7DH20001MV1000 dh
20001mv1000

Equity Sales Marketing.Inc. Declaration concerning Antenna Specification It is hereby
declared that the product Model No.: **DH-20001-01** FCC ID : 2BEP7DH-
20001MV1000 fulfills the requirement in FCC test relating to the antenna type. The
device specified above confirms to the FCC recommendations...

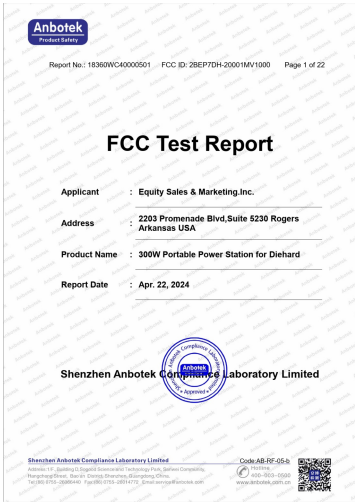
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Administrator 18 DH 20001 01 RFExp r1 Equity Sales Marketing Inc 20001MV1000 300W Portable Power
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14 DH 20001 01 TestRpt DCD r1 Equity Sales Marketing Inc 20001MV1000 300W Portable Power Station for Diehard 2BEP7DH 2BEP7DH20001MV1000 dh 20001mv1000

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Figure 5 anbotek 08 DH 20001 01 ExtPho Equity Sales Marketing Inc 20001MV1000 300W Portable Power Station for Diehard 2BEP7DH 2BEP7DH20001MV1000 dh 20001mv1000

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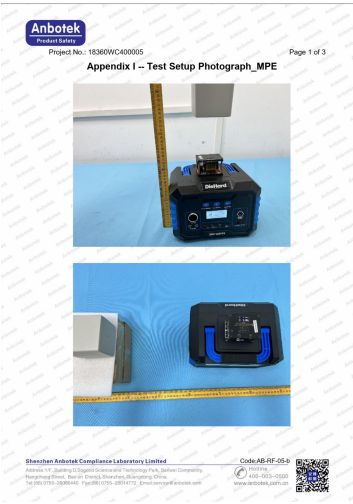


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Figure 5 anbotek 09 DH 20001 01 IntPho Equity Sales Marketing Inc 20001MV1000 300W Portable Power Station for Diehard 2BEP7DH 2BEP7DH20001MV1000 dh 20001mv1000

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Figure 5 anbotek 10 DH 20001 01 TSUp MPE Equity Sales Marketing Inc 20001MV1000 300W Portable Power Station for Diehard 2BEP7DH 2BEP7DH20001MV1000 dh 20001mv1000

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[pdf] Label

Label Location USER 06 DH 20001 01 LabelSmpl US Equity Sales Marketing Inc 20001MV1000 300W Portable Power Station for Diehard 2BEP7DH 2BEP7DH20001MV1000 dh 20001mv1000

Label Location: ...

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Figure 5 anbotek 10 DH 20001 01 TSUp RF Equity Sales Marketing Inc 20001MV1000 300W Portable Power Station for Diehard 2BEP7DH 2BEP7DH20001MV1000 dh 20001mv1000

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- Equity Sales & Marketing, Inc. -

Federal Communications Commission
Authorization and Evaluation Division
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD 21046

4/22/24

To whom it may concern:

We, [Equity Sales & Marketing, Inc.], hereby certify that the equipment for which authorization is sought (FCC ID: [2BEP7DH20001MV1000]) is not "covered" equipment prohibited from receiving an equipment authorization pursuant to § 2.943 of the FCC rules.

We also certify that, as of the date of the filing of the application, we are not identified on the Covered List ([<https://www.fcc.gov/equipment/coversedlist>]) as an entity producing "covered" equipment.

By signing this form, we confirm the above and that we are aware of the application requirements listed under § 2.911(i) and (j)(2) and (j)(3).

Steenley,

Signature
(Martinez Zhao)
(agent engineer)
[Equity Sales & Marketing, Inc.]

By signing this form, we confirm the above and that we are aware of the application requirements listed under § 2.911(i) and (j)(2) and (j)(3).

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COMPANY LETTERHEAD Baschin 62 DH 20001 01 CoveredEqu 2 911 d 5 i and ii Equity Sales Marketing Inc 20001MV1000 300W Portable Power Station for Diehard 2BEP7DH 2BEP7DH20001MV1000 dh 20001mv1000

- Equity Sales Marketing, Inc. - Federal Communications Commission Authorization and Evaluation Division Equipment Authorization Branch 7435 Oakland Mills Road Columbia, MD 21046 4/22/24 To whom it may concern: We, Equity Sales Marketing, Inc. , hereby certify that the equipment for which autho...

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- Equity Sales & Marketing, Inc. -

Federal Communications Commission
Authorization and Evaluation Division
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD 21046

4/24/24

U.S. Agent Designation

[Equity Sales & Marketing, Inc.] acknowledges their consent for the following contact located in the United States to act as their agent for service of process for the equipment for which authorization is sought (FCC ID: [2BEP7DH20001MV1000]).

Name and company of U.S. agent: Equity Sales & Marketing, Inc.
Physical U.S. address of agent: 2009 Potomac Blvd, Suite 6200, Fairfax, VA 22031
Firm or U.S. agent identification:
Email address of U.S. agent: martinez@equitysales.com

[Equity Sales & Marketing, Inc.] acknowledges their obligation to accept service of process on behalf of [Equity Sales & Marketing, Inc.].

[Equity Sales & Marketing, Inc.] with the FIM [2BEP7DH20001MV1000] accepts its obligation to maintain an agent for service of process in the United States for no less than one year after either the grantee has permanently terminated all marketing and importation of the applicable equipment within the U.S., or the conclusion of any Commission-related administrative or judicial proceeding involving the equipment, whichever is later.

By signing this form, we confirm the above and that we are aware of the application requirements listed under § 2.911(i)(7).

The information provided in this letter is based on the information on page 47 of the OFR as well as USG 00046-001.

An expiration date for this letter does not exist. In case the U.S. agent changes, the grantee is obligated to notify the FCC within 90 days of the granting USG.

Steenley,

Signature
(Martinez Zhao)
(agent engineer)
[Equity Sales & Marketing, Inc.]

Steenley,

Signature
(Martinez Zhao)
(agent engineer)
[Equity Sales & Marketing, Inc.]

[pdf]

COMPANY LETTERHEAD Baschin 48 DH 20001 01 US Agent 2 911 d 7 r1 Equity Sales Marketing Inc 20001MV1000 300W Portable Power Station for Diehard 2BEP7DH 2BEP7DH20001MV1000 dh 20001mv1000

- Equity Sales Marketing, Inc. - Federal Communications Commission Authorization and Evaluation Division Equipment Authorization Branch 7435 Oakland Mills Road Columbia, MD 21046 U.S. Agent Designation 4/24/24 Equity Sales Marketing, Inc. acknowledges their consent for the following contact lo...

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