

## DieHard 71688

# DieHard 71688 1150 Peak Amp 12V Jump Starter with USB/12V Portable Power Ports and 100PSI Air Compressor User Manual

Model: 71688 | Brand: DieHard

## PRODUCT OVERVIEW

The DieHard 71688 Platinum Portable Power unit is a versatile device designed to provide emergency jump-starting capabilities, portable power, and air compression. It features AC power, DC power, USB charging, and an automatic digital air compressor. This multi-purpose unit is equipped with numerous safety features, including a replaceable sealed lead-acid battery, clamp hook-up safeguards, and USB protection. It delivers 1150 peak amps for jump starts and offers various charging options for your devices.



Figure 1: Front view of the DieHard 71688 Portable Power unit, showcasing its various ports and controls.

## KEY FEATURES

- **1150 Peak Amps:** Provides sufficient power for jump starting vehicles and large capacity battery charging with digital display.
- **Multiple Power Ports:** Includes two 2.1A USB Power Ports to charge your phone, tablet or other portable devices and two 12V DC power outlets for up to 54 hours of charging.
- **Integrated Air Compressor:** Features a 100PSI air compressor with automatic tire gauge and in-unit stored nozzles for sport balls, car and bike inflation.
- **Safety Features:** Equipped with hook-up safeguards for clamps that sound if improperly connected, automatic USB protection and battery maintaining to prevent overcharging.
- **Convenient Design:** Includes 4-gauge, 24" cables with color-coded clamps, carrying handle and built-in flashlight.
- **AC Household Power:** Delivers 400 Watts of AC household power and 54 hours of 12V DC power from two power outlets.

## WHAT'S IN THE BOX

- DieHard portable power with cables and compressor hose
- Hose adapter end unit
- 3 pc hose adapter device end

- Compressor accessory bag
- Owner's manual

## SETUP

### Initial Charging

Before first use, fully charge the DieHard 71688 unit. Connect the unit to a standard AC wall outlet using an extension cord (not included) and the integrated charging port on the back. The digital display will indicate the battery charge level. It is recommended to keep the unit continuously charged when not in use to maintain optimal battery health and ensure it's ready for emergencies.



Figure 2: Close-up of the unit's digital display, which shows battery percentage and other operational information.

## OPERATING INSTRUCTIONS

### Jump Starting a Vehicle



1. Ensure the DieHard unit is fully charged.
2. Turn off the vehicle's ignition and all accessories.
3. Connect the red positive (+) clamp to the positive (+) terminal of the vehicle's battery.
4. Connect the black negative (-) clamp to a non-painted metal part of the vehicle's engine block or chassis, away from the battery. Avoid connecting directly to the negative battery terminal.
5. Turn the "Jump Start" switch on the DieHard unit to the "ON" position.
6. Attempt to start the vehicle. If it doesn't start immediately, wait a few minutes and try again.
7. Once the vehicle starts, turn the "Jump Start" switch to "OFF".
8. Disconnect the black negative (-) clamp first, then the red positive (+) clamp.
9. Store the clamps securely in their designated holders on the unit.



Figure 3: The DieHard unit connected to a vehicle's battery, ready for jump-starting.

## Using the Air Compressor

1. Locate the air compressor hose and appropriate nozzle from the accessory bag.
2. Attach the nozzle to the item you wish to inflate (e.g., tire valve, sports ball).
3. Connect the air compressor hose to the unit.

4. Use the digital controls to set the desired PSI. The unit features an automatic shut-off once the target pressure is reached.
5. Turn on the compressor. Monitor the digital display for real-time pressure readings.
6. Once inflation is complete, turn off the compressor and disconnect the hose and nozzle.



*Figure 4: Inflating a car tire using the integrated 100PSI air compressor.*

## Using Portable Power Ports

- **USB Ports (2.1A):** Plug your USB charging cable into one of the two USB ports on the front panel to charge smartphones, tablets, and other USB-powered devices.
- **12V DC Outlets:** Use the two 12V DC outlets for powering compatible 12V accessories.
- **110V AC Outlets:** The unit provides two 110V AC outlets for household appliances up to 400W. Ensure the AC inverter is turned on via the control panel before use.





Figure 5: The DieHard unit providing power to various electronic devices, demonstrating its versatility.

## Product Overview Video

Your browser does not support the video tag.

Video 1: A brief overview of the DieHard 71688 1150 Peak Amp 12V Jump Starter, highlighting its key features and functions.

## MAINTENANCE

### Battery Care and Charging

To ensure the longevity and readiness of your DieHard 71688 unit, it is crucial to maintain its internal battery. Always keep the unit charged when not in use. The internal intelligence prevents overcharging, so it can remain plugged in. Regular charging helps to prevent battery degradation and ensures maximum performance when needed for jump-starting or powering devices.

### Storage

Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. Ensure all cables and accessories are properly stowed in their designated compartments to prevent damage and maintain organization.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on or has low power.	Internal battery is discharged.	Fully charge the unit for at least 24 hours. Keep it plugged in when not in use.
Vehicle does not jump start.	Improper clamp connection; vehicle battery severely discharged; unit not fully charged.	Check clamp connections (ensure proper polarity and good contact). Fully charge the unit. If battery is severely discharged, it may require a longer charge or professional assistance.
Air compressor does not inflate or stops prematurely.	Hose/nozzle not securely attached; unit overheating; internal fault.	Ensure all connections are tight. Allow the unit to cool down if it has been running for an extended period. If the issue persists, contact customer support.
USB or AC outlets not providing power.	Unit not fully charged; AC inverter not activated; device draws too much power.	Ensure the unit is fully charged. Activate the AC inverter switch for AC outlets. Check device power requirements against unit's capacity (400W for AC).

## SPECIFICATIONS

- **Brand:** DieHard
- **Model:** 71688
- **Peak Amperage:** 1150 Amps
- **AC Power Output:** 400 Watts (110V AC)
- **DC Power Output:** 12V DC (up to 54 hours)
- **USB Output:** (2) 2.1A USB Power Ports
- **Air Compressor:** 100 PSI
- **Cable Gauge:** 4-gauge
- **Cable Length:** 24 inches
- **Item Weight:** 16.81 pounds
- **Product Dimensions:** 11.5 x 10.63 x 11.88 inches
- **Battery Type:** Sealed Lead-Acid (included)

## WARRANTY AND SUPPORT



For warranty information and customer support, please refer to the official owner's manual included with your product. You may also visit the [DieHard Store on Amazon](#) or contact Schumacher Electric Corp., the manufacturer, for assistance. Keep your purchase receipt for warranty claims.

*Note: Some customer reviews indicate potential challenges with manufacturer support. For direct product issues, it is recommended to first consult the provided owner's manual or contact the manufacturer directly.*

## Related Documents - 71688

	<p><a href="#">DieHard Portable Power 1150 Operator's Manual: Jump Starter, Air Compressor, Inflator, AC Power</a></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><a href="#">DieHard Jump Starter and AC/DC/USB Power Source Operator's Manual</a></p> <p>Comprehensive operator's manual for the DieHard Jump Starter and AC/DC/USB Power Source (Model 28.71688), covering safety instructions, features, charging, usage, maintenance, and troubleshooting.</p>
	<p><a href="#">DieHard Portable Power 1150 Operator's Manual</a></p> <p>Comprehensive operator's manual for the DieHard Portable Power 1150, detailing its features, operation, safety instructions, and specifications for jump-starting, power supply, air compression, and AC power.</p>
	<p><a href="#">DieHard Portable Power 1150 Owner's Manual: Jump Starter, Air Compressor, Inverter</a></p> <p>Comprehensive owner's manual for the DieHard Portable Power 1150, detailing its functions as a jump starter, DC power source, air compressor, inflator, and AC power inverter. Includes safety instructions, operating procedures, specifications, and troubleshooting.</p>



<div><p>OPERATOR'S MANUAL</p><p><b>DieHard</b></p><p>Portable Power 1150</p><p>Jump Starter/DC Power Source Air Compressor, Inflator and AC Power</p><p>Model No. DPA 1150</p><p><small>CAPTION: Safety, Use and Operating Instructions © 2015 DieHard Power Tools Inc. All rights reserved. DieHard, DieHard Tools, Inc., and the DieHard logo are trademarks of DieHard Tools, Inc.</small></p></div>	<p><a href="#">DieHard Portable Power 1150 Operator's Manual: Jump Starter, Air Compressor, and Power Source</a></p> <p>This operator's manual provides comprehensive instructions for the DieHard Portable Power 1150, a versatile device functioning as a jump starter, DC power source, air compressor, inflator, and AC power unit. It covers safety precautions, operating procedures for each function, maintenance, specifications, and replacement parts.</p>
<div><p>Owner's Manual / Manual del propietario</p><p><b>DieHard</b></p><p>Lithium Ion Jump Starter/12V Power Pack Arrancador litio ion / Fuente de energía 12V</p><p>Model DH110</p><p><small>CAPTION: Safety and Use Instructions © 2015 DieHard Power Tools Inc. All rights reserved. DieHard, DieHard Tools, Inc., and the DieHard logo are trademarks of DieHard Tools, Inc.</small></p></div>	<p><a href="#">DieHard DH110 Lithium Ion Jump Starter &amp; 12V Power Pack Owner's Manual</a></p> <p>Owner's manual for the DieHard DH110 Lithium Ion Jump Starter and 12V Power Pack. Includes safety instructions, operating procedures, charging, troubleshooting, and specifications.</p>