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Imazing IM23

Imazing Portable Car Jump Starter IM23 User Manual

Model: IM23

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Imazing Portable Car Jump Starter, model IM23. This device is designed to jump start 12V vehicles with up to 8.0L gas or 6.0L diesel engines and also functions as a portable power bank and LED flashlight.



Figure 1: Imazing Portable Car Jump Starter IM23 with included accessories.

2. SAFETY INFORMATION

The Imazing Portable Car Jump Starter is equipped with an intelligent mainboard and smart jumper clamps featuring multiple safety technologies to ensure user protection. Always adhere to the following safety guidelines:

- **Reverse Polarity Protection:** Prevents damage if clamps are connected incorrectly.
- **Over-Current Protection:** Safeguards against excessive current flow.
- **Overload Protection:** Protects the device from operating beyond its capacity.
- **Over-Voltage Protection:** Prevents damage from voltage spikes.
- **Over-Charge Protection:** Ensures safe charging of the internal battery.
- Do not attempt to jump start a vehicle if the jump starter's battery level is below 20%.
- Ensure proper connection of the red clamp to the positive (+) terminal and the black clamp to the negative (-) terminal of the vehicle battery.
- Avoid touching the red and black clamps together to prevent short circuits.
- Do not expose the device to extreme temperatures or moisture.



Figure 2: Multi-function safety protection clamp features.

3. WHAT'S IN THE BOX

The Imazing Portable Car Jump Starter package includes the following items:

- Imazing Jump Starter (Model IM23)
- Intelligent Jump Cable Clamps
- Intelligent Cigarette Charger Jump Cable
- 12V Wall Charger
- 12V Car Charger
- USB Cable
- Portable Compressive Case
- User Manual



Figure 3: Included packaging accessories.

4. PRODUCT OVERVIEW

The Imazing IM23 is a versatile device with multiple functionalities:

- **LCD Display:** Shows battery percentage and output status.
- **Jump Start Port:** Dedicated port for connecting smart jumper cables.
- **Dual USB Quick Charge Ports:** For charging smartphones, tablets, and other USB-powered devices.
- **12V DC Output:** Provides power for 12V appliances (e.g., car refrigerators, fans, air pumps, LED

lights).

- **LED Flashlight:** Features multiple modes including steady light, strobe, and SOS signal.



Figure 4: Jump starter providing power to two smartphones.



Figure 5: 12V DC output for powering various appliances.



Figure 6: LED flashlight with multiple modes.

5. SETUP

5.1 Charging the Jump Starter

Before initial use, fully charge the Imazing IM23. It is recommended to keep the device charged above 20%

for optimal performance. Use the provided 12V wall charger, 12V car charger, or USB cable to charge the unit.

- Connect the appropriate charging cable to the input port on the jump starter.
- Plug the charger into a power source.
- The LCD display will indicate the charging status.



Figure 7: Jump starter with two input ports for charging.

6. OPERATING INSTRUCTIONS

6.1 Jump Starting a Vehicle

Follow these steps to safely jump start your 12V vehicle:

1. Ensure the jump starter has at least 20% battery charge.
2. Connect the intelligent jump cable clamps to the jump start port on the IM23.
3. Attach the **red clamp** to the vehicle's **positive (+) battery terminal**.
4. Attach the **black clamp** to the vehicle's **negative (-) battery terminal**.
5. Observe the indicator light on the smart clamp. A solid green light indicates a correct connection and readiness to jump start. If the light is red or flashing, check connections or refer to the troubleshooting section.
6. If the vehicle battery is completely dead (below 2V), the smart clamp may not show a green light. In this case, press and hold the 'Boost' button on the jump starter for 3 seconds to activate override mode. The green light will then turn solid.
7. Start your vehicle's engine.
8. Once the engine starts, immediately remove the smart clamps from the vehicle battery, then disconnect them from the jump starter.



Figure 8: Steps for jump starting a vehicle.

Video 1: Demonstration of the Imazing Portable Car Jump Starter's features and jump-starting process.

6.2 Using as a Portable Power Bank

The IM23 can charge various electronic devices:

- Connect your device's USB charging cable to one of the dual USB output ports on the jump starter.
- The LCD display will show the output status.
- For 12V appliances, connect the intelligent cigarette charger jump cable to the 12V DC output port and then to your appliance.

6.3 Using the LED Flashlight

The built-in LED flashlight offers multiple lighting modes:

- Press and hold the power button for 3 seconds to turn on the steady light.
- Press the power button again to switch to strobe mode.
- Press the power button a third time to activate the SOS signal.
- Press the power button a fourth time to turn off the flashlight.

7. MAINTENANCE

- Store the jump starter in a cool, dry place away from direct sunlight and high temperatures.
- Recharge the unit every 3-6 months if not in regular use to maintain battery health.
- Clean the device with a dry, soft cloth. Avoid using harsh chemicals or abrasive materials.



Figure 9: Operating temperature range for the jump starter.

8. TROUBLESHOOTING

If you encounter issues while using your Imazing IM23, refer to the following common scenarios:

- **Jump Starter Not Turning On:** Ensure the unit is charged. If the battery is completely depleted, it may take a few minutes to respond to charging.
- **Vehicle Not Starting:** Check that the smart clamps are correctly connected (red to positive, black to negative). Ensure the smart clamp indicator is solid green. If the vehicle battery is extremely low (below 2V), use the 'Boost' override function.
- **Smart Clamp Indicator Light Issues:** Refer to the quick guide on the clamp for specific light indications (solid green for ready, flashing for pending connection, red for reversed polarity/low voltage/short circuit, yellow for over-temp protection).
- **Unit Not Charging Devices:** Ensure devices are properly connected to the USB output ports. Check

the jump starter's battery level.

9. SPECIFICATIONS

Feature	Specification
Model	IM23 (BBD-IM23)
Brand	Imazing
Peak Current	1500 Amps
Battery Capacity	12000 Milliamp Hours
Battery Cell Composition	Lithium Polymer
Voltage	12 Volts
Engine Compatibility	Up to 8.0L Gas or 6.0L Diesel
Vehicle Service Type	Cars, Motorcycles, ATVs, UTVs, Lawn Mowers, Snowmobiles
Product Dimensions	7.09 x 3.19 x 1.26 inches
Item Weight	0.7 Kilograms (1.54 pounds)
Bulb Type	LED / Strobe / SOS
Safety Rating	UL2743 / CE / FCC / RoHs Certified

10. WARRANTY AND SUPPORT

The Imazing Portable Car Jump Starter IM23 comes with a **2-year warranty service**.

For any questions, concerns, or support regarding your product, please contact Imazing directly. You can find support and live chat options on the Imazing Facebook page by searching for "Imazing" during working days.