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LOKITHOR J2250 PRO

LOKITHOR J2250 PRO Jump Starter User Manual

Model: J2250 PRO

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your LOKITHOR J2250 PRO Jump Starter. Please read all instructions carefully before use and retain this manual for future reference. The LOKITHOR J2250 PRO is a powerful and versatile device designed to jump-start vehicles with 12V batteries, charge electronic devices, and provide illumination in emergency situations. It features advanced LiFePO4 battery technology for enhanced safety and longevity.

2. SAFETY INFORMATION

General Warnings

- Always wear eye protection and gloves when working with batteries.
- Do not operate the jump starter if it is damaged or has been dropped.
- Keep the jump starter away from children and pets.
- Do not expose the jump starter to extreme temperatures or direct sunlight for extended periods.
- Ensure proper ventilation during use and charging.
- Do not short-circuit the clamps.
- Do not attempt to jump-start a frozen battery.
- Refer to your vehicle's owner's manual for specific jump-starting procedures.

Integrated Protections

The J2250 PRO is equipped with 10 safety protection mechanisms to ensure safe operation:

- Spark-Proof Protection:** Prevents sparks during connection.
- Reverse-Polarity Protection:** Protects against incorrect clamp connections.
- Short-Circuit Protection:** Safeguards against short circuits.
- Reverse-Charge Protection:** Prevents reverse current flow from the vehicle battery.
- Low-Temperature Protection:** Ensures safe operation in cold conditions.
- High-Temperature Protection:** Prevents overheating.
- Over-Voltage Protection:** Protects against excessive voltage.
- Overload Protection:** Prevents damage from excessive current draw.

- **Over-Charge Protection:** Safeguards the internal battery during charging.
- **Over-Current Protection:** Protects against excessive current.

3. PRODUCT FEATURES

- **Powerful Performance:** Delivers 2250 amp peak starting current. Capable of starting 8.0L gas and 6.0L diesel engines. Operates in extreme temperatures from -4°F to 140°F.
- **LiFePO4 Technology:** Utilizes Lithium Iron Phosphate battery cells for over 2000 cycles at 100% depth of discharge, offering 5 times longer lifespan than lead-acid and 2 times longer than standard lithium starters. Enhanced chemical stability reduces risk of thermal runaway.
- **60W Two-Way Fast Charging:** Fully charges the jump starter in approximately 60 minutes. Can jump-start a vehicle in as little as 5 minutes after a quick charge.
- **Multi-Purpose LED Flashlight:** Integrated 300-lumen LED flashlight with 6 modes: 100%, 50%, 10% brightness, SOS, strobe, and blink.
- **Power Bank Functionality:** Equipped with USB-C (60W input/output) and USB-A (18W output) ports to charge phones, tablets, laptops, and other devices.
- **IP65 Rating:** Water and dustproof design ensures reliable performance in harsh environments.
- **ConnectMAX Technology:** Automatically detects connection impedance between clamps and car battery for optimal performance and reliable starting.
- **Ultra-Long Standby Time:** Maintains charge for up to 36 months on a full charge.

4. GETTING STARTED AND SETUP

4.1 Charging the Jump Starter

Before first use, fully charge your LOKITHOR J2250 PRO. Use the provided USB-C to USB-C cable and a compatible 60W USB-C power adapter (not included) for fast charging. The unit can be fully charged in about 60 minutes.



Figure 4.1: The LOKITHOR J2250 PRO connected to a USB-C charger for fast charging. The display shows charging status.

The jump starter can also be charged using a 12V car adapter (DC Output 5A/20V, Max 60W) for convenient charging while on the go.



Figure 4.2: The LOKITHOR J2250 PRO charging inside a vehicle using the 12V adapter.

4.2 What's in the Box

Your LOKITHOR J2250 PRO package includes the following items:

- J2250 PRO Jump Starter Unit
- Jump Starter Clamps (x1)
- USB-A to USB-C Cable (x1)
- USB-C to USB-C Cable (x1)
- Accessories Storage Bag (x1)
- User Manual (x1)

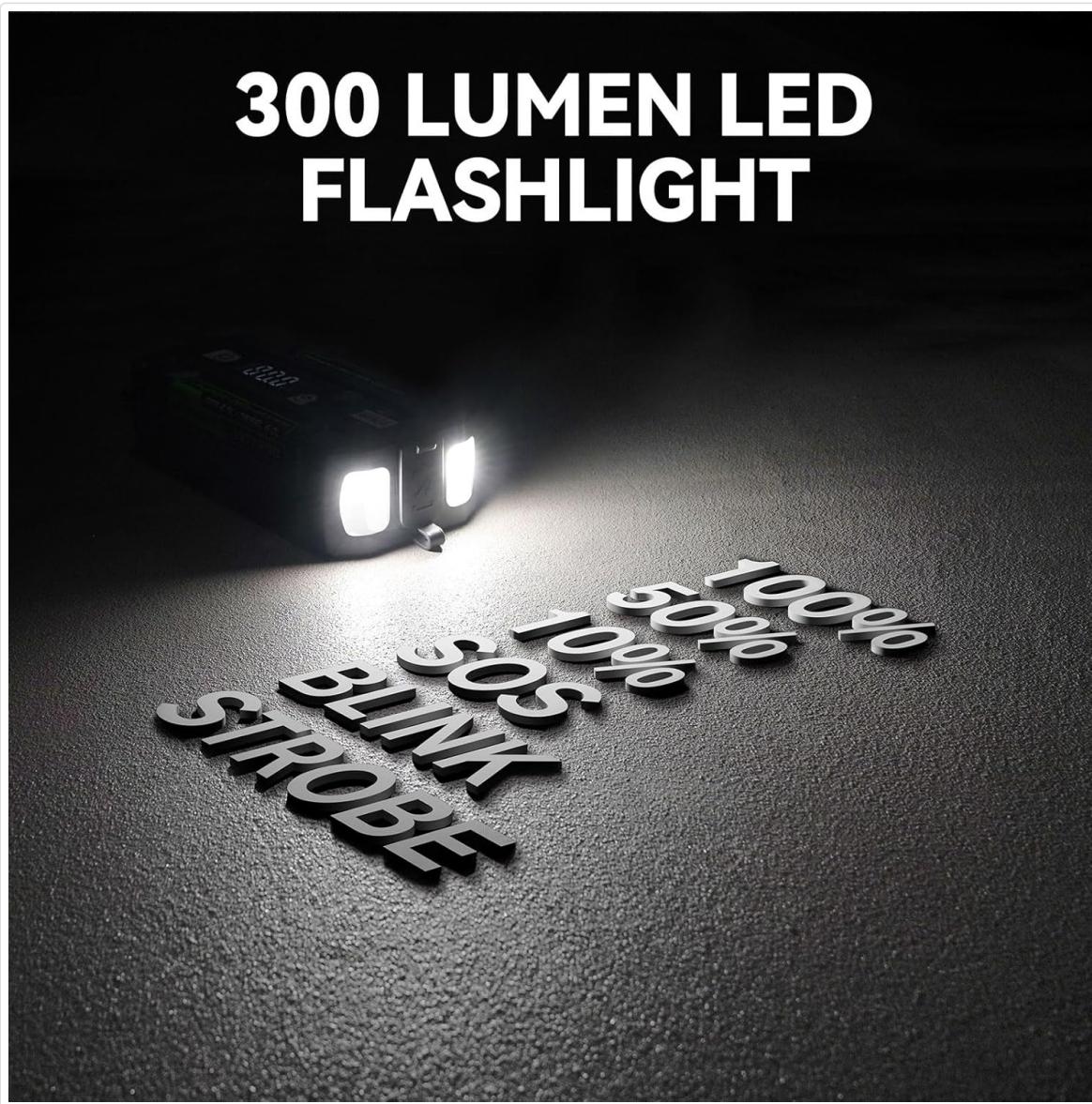


Figure 4.3: All items included in the LOKITHOR J2250 PRO Jump Starter package.

5. OPERATING INSTRUCTIONS

5.1 Normal Jump Start Procedure

1. Attach the red clamp to the positive (+) terminal of the vehicle battery.
2. Attach the black clamp to the negative (-) terminal of the vehicle battery.
3. Power on the LOKITHOR J2250 PRO. The display will show the battery voltage and the green light will flash, indicating it's ready.

4. Start your vehicle.
5. Once the vehicle starts, power off the jump starter and disconnect the clamps.

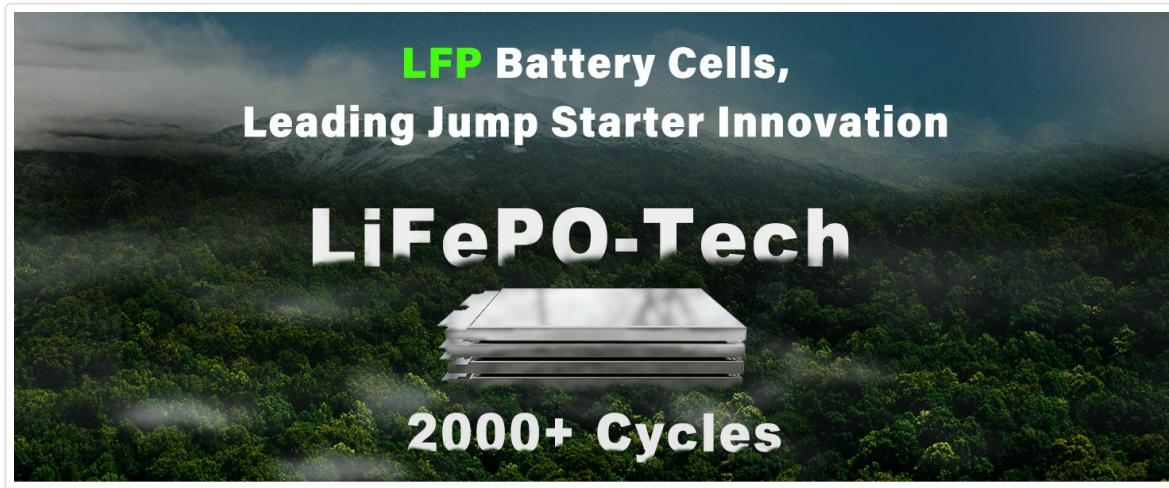


Figure 5.1: Visual guide for the normal jump start process.

5.2 Boost Mode Jump Start Procedure (For Severely Discharged Batteries)

If the vehicle battery is severely discharged (below 2V), the normal jump start procedure may not work. In this case, use the Boost Mode:

1. Attach the red clamp to the positive (+) terminal of the vehicle battery.
2. **Long press the "M" (Boost) button for more than 5 seconds.** The display will show "Boost" and the green light will flash.
3. Attach the black clamp to the negative (-) terminal of the vehicle battery.
4. Start your vehicle within 30 seconds.
5. Once the vehicle starts, power off the jump starter and disconnect the clamps.

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Video 5.1: Official LOKITHOR video demonstrating the J2250 PRO Jump Starter in action, including the boost mode functionality.



Figure 5.2: Visual guide for the Boost Mode jump start process.

5.3 USING THE LED FLASHLIGHT

The integrated LED flashlight has multiple modes for various situations:

- **100% Brightness:** Press the flashlight button once.
- **50% Brightness:** Press the flashlight button twice.
- **10% Brightness:** Press the flashlight button three times.
- **SOS Mode:** Press the flashlight button four times.
- **Strobe Mode:** Press the flashlight button five times.
- **Blink Mode:** Press the flashlight button six times.
- To turn off, press the flashlight button seven times or long-press the button in any mode.



Figure 5.3: Illustration of the various modes of the multi-purpose LED flashlight.

5.4 Power Bank Functionality

The LOKITHOR J2250 PRO can serve as a portable power bank for your electronic devices:

- **USB-C Port:** Provides up to 60W output for fast charging compatible devices.
- **USB-A Port:** Provides up to 18W output for charging various USB-powered devices.



Figure 5.4: The LOKITHOR J2250 PRO charging multiple electronic devices simultaneously.

6. MAINTENANCE

- Recharge the jump starter after each use to ensure it's ready for the next emergency.
- Store the unit in a cool, dry place away from direct sunlight and moisture.

- For long-term storage, recharge the unit every 3-6 months to maintain battery health.
- Clean the exterior with a soft, damp cloth. Do not use harsh chemicals or abrasive materials.

7. TROUBLESHOOTING

If the jump starter displays an error code or does not function as expected, refer to the following common issues:

- **Unit does not power on:** Ensure the unit is charged. If fully charged, contact customer support.
- **Green light not flashing in Normal Start:** Check clamp connections. Ensure battery voltage is above 2V. If not, use Boost Mode.
- **"Boost" light not activating:** Ensure clamps are correctly attached. If battery is extremely low, try charging the jump starter for a few minutes before attempting Boost Mode again.
- **Vehicle does not start after jump-start:** Check vehicle battery terminals for corrosion. Ensure proper clamp connection. Vehicle may have other mechanical issues.
- **Error Code 201:** This error typically indicates a charge problem or internal fault. Try fully discharging and recharging the unit. If the error persists, contact customer support.

For further assistance, please refer to the detailed user manual included in the package or contact LOKITHOR customer service.

8. SPECIFICATIONS

Specification	Value
Brand	LOKITHOR
Model	J2250 PRO
Peak Amperage	2250 Amps
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Battery Voltage	12 Volts
Engine Compatibility	Up to 8.0L Gas, 6.0L Diesel
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Standby Time	Up to 36 months
Charging Input	USB-C (Max 60W)
USB-C Output	Max 60W
USB-A Output	QC 18W
DC Output	Max 60W (5A/20V)
LED Flashlight Lumens	300 Lumens
IP Rating	IP65 (Waterproof & Dustproof)

Product Dimensions	4.02"D x 2.28"W x 8.38"H
Item Weight	4.22 pounds

9. WARRANTY AND SUPPORT

LOKITHOR products typically come with a manufacturer's warranty. Please refer to the warranty card included in your package or visit the official LOKITHOR website for detailed warranty information and terms.

For any after-sales questions, technical support, or warranty claims, please contact LOKITHOR customer service. Contact information can usually be found in the user manual or on the official LOKITHOR website.