

## Goodyear 23984

# Goodyear 8000 mAh Lithium Battery Emergency Jump Starter User Manual

Model: 23984

## 1. INTRODUCTION

Thank you for choosing the Goodyear 8000 mAh Lithium Battery Emergency Jump Starter. This compact and powerful device is designed to provide emergency jump-starting for various vehicles, serve as a portable power bank for electronic devices, and function as an LED flashlight. Please read this manual thoroughly before use to ensure safe and optimal operation.

Image 1.1: The Goodyear 8000 mAh Emergency Jump Starter is suitable for various vehicle types, including gasoline engines up to 2500cc and diesel engines up to 2000cc.

## 2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the device and vehicle:

- Do not expose the jump starter to extreme temperatures, direct sunlight, or fire.
- Do not disassemble, modify, or attempt to repair the unit. Contact qualified service personnel.
- Keep out of reach of children.
- Ensure proper ventilation during use and charging.
- Avoid short-circuiting the smart clamps.
- Wear eye protection and gloves when working with vehicle batteries.
- If battery acid comes into contact with skin or eyes, flush immediately with plenty of clean water and seek medical attention.
- Do not jump start a frozen battery.
- Ensure the jump starter is fully charged before use for optimal performance.

### Integrated Safety Protections:

This jump starter is equipped with smart clamps that provide multiple safety features:

- **Reverse Polarity Protection:** Prevents damage if clamps are connected incorrectly.
- **Overcurrent Protection:** Safeguards against excessive current flow.

- **Overvoltage Protection:** Maintains stable voltage, protecting the device and vehicle.
- **Overload Protection:** Prevents damage from excessive power draw.

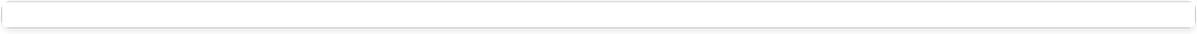


Image 2.1: The smart clamps feature reverse polarity protection for safe connections.

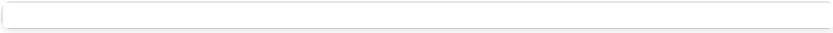


Image 2.2: Overvoltage protection maintains stable voltage, preventing damage.



Image 2.3: Overcurrent protection regulates current for total protection.



Image 2.4: Overload protection ensures safe charging and extended device life.

### 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- Goodyear 8000 mAh Emergency Jump Starter Unit
- Smart Jumper Clamps (Red and Black)
- USB Charging Cable
- Storage Pouch
- User Manual



Jump Starter Unit



Smart Jumper Clamps



USB Charging Cable



Storage Pouch

### 4. PRODUCT OVERVIEW

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The Goodyear 8000 mAh Jump Starter is a compact device with multiple functionalities. Its small size (approximately 14 x 7.8 x 1.7 cm) makes it highly portable.

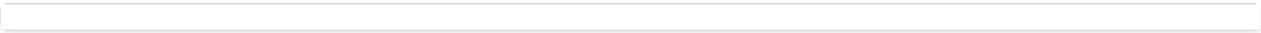


Image 4.1: Front view of the jump starter with key specifications and dimensions.

#### Component Identification:



Image 4.2: Detailed view of the jump starter ports and indicators.

- **USB Standard Output:** For charging external electronic devices.
- **LED Light:** Multi-mode flashlight.

- **12 Volt Vehicle Starting Port:** Connects to the smart jumper clamps.
- **Mini USB Input:** For charging the jump starter unit.
- **Charge Status Indicator:** LED strip indicating remaining battery level.

## 5. SETUP: CHARGING THE JUMP STARTER

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Before first use, fully charge the jump starter. It is recommended to recharge the unit after each use or every 3 months if stored.

1. Locate the Mini USB Input port on the jump starter.
2. Connect the provided USB charging cable to the Mini USB Input port.
3. Connect the other end of the USB cable to a 5V/2A USB wall adapter (not included) or a powered USB port.
4. The charge status indicator LEDs will illuminate, showing the charging progress. All LEDs will be solid when fully charged.
5. Charging typically takes approximately 4 hours.

## 6. OPERATING INSTRUCTIONS

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### 6.1. Jump Starting a Vehicle

Ensure the jump starter is at least 75% charged before attempting to jump start a vehicle.

1. Turn off the vehicle's ignition and all accessories.
2. Connect the smart jumper clamps to the 12 Volt Vehicle Starting Port on the jump starter. Ensure a secure connection.
3. Connect the **RED (+)** clamp to the positive (+) terminal of the vehicle's battery.
4. Connect the **BLACK (-)** clamp to the negative (-) terminal of the vehicle's battery or a solid, unpainted metal part of the vehicle's chassis away from the battery.
5. Once connected, the smart clamps will indicate a ready status (refer to clamp indicator lights if available).
6. Start the vehicle's engine. If it doesn't start immediately, wait 30 seconds and try again. Do not crank for more than 3 seconds per attempt.
7. Once the vehicle starts, immediately disconnect the BLACK (-) clamp first, then the RED (+) clamp from the vehicle battery.
8. Finally, disconnect the smart jumper clamps from the jump starter unit.

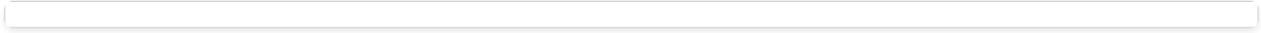


Image 6.1: Correct connection of the jump starter to a vehicle battery.

### 6.2. Using as a Power Bank

The jump starter can charge portable electronic devices via its USB Standard Output port.

1. Connect your device's USB charging cable to the USB Standard Output port on the jump starter.
2. Connect the other end of the cable to your electronic device (e.g., smartphone, tablet, camera).
3. The jump starter will automatically begin charging your device.
4. Monitor your device's charging status. Disconnect when charging is complete.



Image 6.2: The jump starter functioning as a power bank to charge a smartphone.

## 6.3. Using the LED Flashlight

The integrated LED flashlight offers three modes for various situations.

1. To turn on the flashlight, press and hold the power button (usually located near the LED light) for a few seconds.
2. Press the power button briefly to cycle through the modes: Continuous Light > Flashing Light > SOS (two speeds).
3. To turn off the flashlight, press the power button until the light turns off, or press and hold the power button again.

Image 6.3: The LED flashlight with its three operational modes.

## 7. MAINTENANCE AND STORAGE

- Clean the unit with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- Store the jump starter in a cool, dry place, away from direct sunlight and moisture.
- For long-term storage, ensure the unit is charged to at least 50% and recharge every 3 months to maintain battery health.
- Keep the smart clamps clean and free of corrosion.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Jump starter does not turn on.	Battery is completely discharged.	Charge the jump starter fully.
Vehicle does not start.	Jump starter battery too low. Incorrect clamp connection. Vehicle battery severely damaged.	Ensure jump starter is fully charged. Check clamp polarity and connection points. Consult a mechanic.
Smart clamps show error indicator.	Reverse polarity detected. Short circuit. Overcurrent/Overvoltage.	Reconnect clamps correctly. Check for short circuits. Disconnect and reattempt after a few minutes.
Electronic device not charging.	USB cable faulty. Jump starter battery low. Device incompatible.	Try a different USB cable. Charge the jump starter. Ensure device requires 5V/2A input.
LED flashlight not working.	Battery low. Button not pressed correctly.	Charge the jump starter. Press and hold the power button to activate.

## 9. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model	23984
Battery Capacity	8000 mAh Lithium Ion
Input	5V / 2A (Micro USB)
Output	5V / 2A (USB Standard)
Vehicle Starting Voltage	12V
Start Current	200A
Peak Current	400A
Charging Time	Approx. 4 hours
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Dimensions (L x W x H)	14 x 7.8 x 1.7 cm (5.5 x 3.1 x 0.7 inches)
Weight	300 g (0.66 lbs)
Engine Compatibility	Gasoline up to 2500cc, Diesel up to 2000cc
Protections	Reverse Polarity, Overcurrent, Overvoltage, Overload