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## EAFC JC02

# EAFC JC02 2000A Car Jump Starter User Manual

Model: JC02

## 1. INTRODUCTION

Thank you for choosing the EAFC JC02 2000A Car Jump Starter. This device is designed to provide a reliable and safe solution for jump-starting vehicles with dead batteries, as well as serving as a portable power bank and an emergency LED flashlight. Please read this manual carefully before use to ensure proper operation and to prevent damage to the product or your vehicle.

## 2. PRODUCT OVERVIEW

### 2.1 Package Contents

The following items are included in your package:

- 1 x EAFC 2000A Portable Jump Starter
- 1 x Smart Battery Clamp Cable
- 1 x USB Charging Cable
- 1 x Storage Bag
- 1 x User Manual

### 2.2 Device Features

- **High Peak Current:** 2000A peak current for 12V vehicles (up to 6.0L gasoline or 4.0L diesel engines).
- **Portable Power Bank:** Equipped with USB ports (5V/2.4A) for charging mobile phones, tablets, cameras, and other USB-powered devices.
- **Smart Safety Clamps:** Built-in 10 safety protection functions including overcharge, overvoltage, overcurrent, overload, spark-proof, reverse polarity, short circuit, and high/low temperature protection.
- **Multi-functional LED Flashlight:** Features 3 modes: steady light, strobe, and SOS for emergency situations.
- **LCD Display:** Clear display showing battery percentage and output status.
- **Extreme Temperature Operation:** Functions effectively in temperatures ranging from -40°C to 80°C.

### 2.3 Product Components

Familiarize yourself with the main parts of the jump starter:



Image: EAFC JC02 Jump Starter unit, smart clamps, and storage bag.

# SPEKTIFIKATIONEN

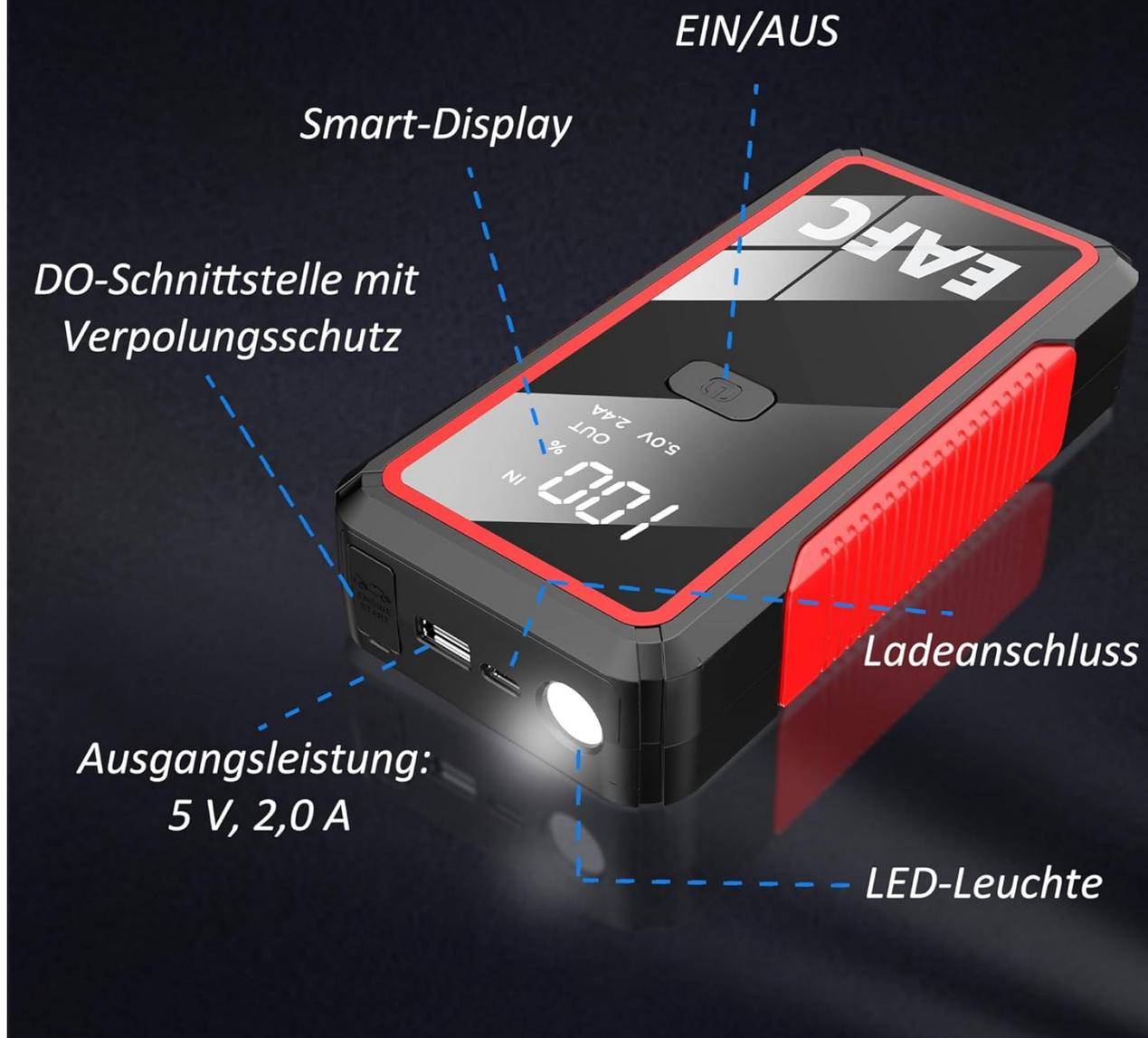


Image: Detailed view of the EAFC JC02 Jump Starter showing the ON/OFF button, smart display, DO anti-reverse interface, charging port, 5V 2.0A output, and LED light.

## 3. SETUP AND CHARGING

### 3.1 Initial Charge

Before first use, fully charge the EAFC JC02 Jump Starter. Connect the provided USB charging cable to the charging port on the device and to a 5V/2A USB wall adapter (not included) or car charger. The LCD screen will display the charging progress. A full charge is indicated by 100% on the display and typically takes 3-4 hours.

# COMPATIBILIDAD UNIVERSAL

Motor de gasolina de hasta 6.0L y diesel de 4.0L



Image: The EAFC JC02 Jump Starter connected to a wall charger via its USB charging port. The display shows charging status.

**Note:** It is recommended to fully charge the device every 3-6 months to maintain battery health, even if not in use.

## 4. OPERATING INSTRUCTIONS

### 4.1 Jump Starting a Vehicle

Ensure the jump starter is at least 50% charged before attempting to jump start a vehicle.

1. **Step 1: Insert the Smart Clamp Cable.** Plug the blue end of the smart clamp cable into the jump starter's DO anti-reverse interface. Ensure a secure connection.
2. **Step 2: Connect to the Car Battery.** Attach the red clamp to the positive (+) terminal of the car battery and the black clamp to the negative (-) terminal. The smart clamp indicator light should turn green, indicating a correct connection and readiness to jump start. If an alarm sounds or the light is red, check for reverse polarity or other issues.
3. **Step 3: Start the Engine.** Return to your vehicle and start the engine. If the engine does not start immediately, wait 30 seconds and try again. Do not attempt more than 3 consecutive starts.
4. **Step 4: Remove Clamps.** Once the engine starts, immediately remove the smart clamp cable from the car battery terminals, then disconnect it from the jump starter.

# Vier Schritte zum Starten Ihres Autos



**STEP 1 INSERT** Batterieklemme anbringen



**STEP 2 CONNECT** An die Autobatterie anschließen  
(grünes Licht leuchtet)



**STEP 3 START** Motor starten



**STEP 4 REMOVE** Klemme entfernen

Image: A four-panel illustration showing the jump-starting process: 1. Inserting the clamp cable into the jump starter. 2. Connecting clamps to the car battery. 3. Starting the car engine. 4. Removing the clamps.

**Caution:** Do not touch the red and black clamps together. Do not leave the clamps connected to the battery after the engine starts.

## 4.2 Charging Mobile Devices (Power Bank Function)

The EAFC JC02 can be used as a portable power bank to charge your electronic devices.

1. Connect your device's USB charging cable to the USB output port (5V/2.4A) on the jump starter.
2. The jump starter will automatically begin charging your device. The LCD screen will show "OUT" and the battery percentage.
3. Disconnect your device once charging is complete.

## CARGADOR DE PARED

Se espera que una carga completa tarde entre 3 y 4 horas

(el cargador de pared no está incluido)



Image: The EAFC JC02 Jump Starter connected via USB cable to a smartphone, demonstrating its power bank functionality.

### 4.3 Using the LED Flashlight

The built-in LED flashlight has three modes: steady, strobe, and SOS.

1. To turn on the flashlight, press and hold the power button for approximately 3 seconds.
2. Press the power button briefly to cycle through the modes: Steady Light → Strobe Light → SOS Signal.
3. To turn off the flashlight, press and hold the power button again for 3 seconds, or cycle through all modes until it turns off.

## **Notbeleuchtung bei Nacht**

LED-Beleuchtung, drei Schaltmodi



Image: The EAFC JC02 Jump Starter's LED flashlight illuminating an engine bay at night, demonstrating its utility in low-light conditions.

## **5. SAFETY INFORMATION AND PRECAUTIONS**

Read and understand all safety information before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not use the jump starter if the battery clamps or cables are damaged.
- Do not jump start a frozen battery.
- Ensure proper polarity connection (red to positive, black to negative). The smart clamps will alert you if connected incorrectly.
- Do not allow the red and black clamps to touch each other.
- Keep the device away from children.
- Do not expose the product to rain or moisture.
- Do not disassemble or modify the unit.
- Store the jump starter in a cool, dry place, away from direct sunlight and high temperatures.

- Use only the provided smart clamp cable and USB charging cable.



Image: The EAFC JC02 Jump Starter highlighting its intelligent battery clamps and various protection features such as reverse polarity protection, back-charge protection, overcharge protection, deep discharge protection, undervoltage protection, overcurrent protection, short circuit protection, and overheating protection.

## 6. MAINTENANCE

- Clean the device with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- Store the jump starter in its storage bag when not in use to protect it from dust and damage.
- Recharge the unit every 3-6 months to maintain optimal battery performance, even if it has not been used.
- Avoid storing the device in extreme temperatures (above 60°C or below -20°C) for extended periods.

## 7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem                                   | Possible Cause   | Solution   |
|---|--|--|
| Vehicle does not start.                   | Jump starter battery is low.<br>Clamps not connected properly.<br>Vehicle battery is severely damaged. | Recharge the jump starter.<br>Ensure clamps are firmly attached to correct terminals.<br>Consult a professional mechanic.                              |
| Smart clamp indicator is red or alarming. | Reverse polarity connection.<br>Short circuit.<br>Over-discharge of vehicle battery.                   | Disconnect and reconnect clamps to correct terminals.<br>Check for any metal contact between clamps.<br>Ensure vehicle battery is not completely dead. |
| Jump starter not charging.                | Charging cable or adapter faulty.<br>Charging port dirty.  | Try a different USB cable and adapter.<br>Clean the charging port gently.  |

## 8. SPECIFICATIONS

| Feature                         | Detail  |
|---------------------------------|---|
| Brand                           | EAFC  |
| Model Number                    | JC02  |
| Peak Current                    | 2000A   |
| Start Voltage                   | 12V   |
| Engine Compatibility (Gasoline) | Up to 6.0L                                    |
| Engine Compatibility (Diesel)   | Up to 4.0L                                    |
| USB Output                      | 5V/2.4A                                       |
| Product Dimensions              | 18 x 8.7 x 3.5 cm (7.09 x 3.43 x 1.38 inches) |
| Product Weight                  | 850 g (1.87 lbs)                              |
| Operating Temperature           | -40°C to 80°C (-40°F to 176°F)                |

## 9. WARRANTY AND SUPPORT

EAFC provides professional technical support for the lifetime of this product. If you encounter any issues or have questions, please contact our customer service team. Our team aims to respond within 24 hours.

Please refer to your purchase documentation for specific warranty terms and conditions.

