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> [KFD](#) /

> [KFD NOCO 65W USB-C Car Charger Instruction Manual for Boost X Jump Starters](#)

## KFD C65-65W USB C

# KFD 65W USB-C Car Charger Instruction Manual

Model: C65-65W USB C

Brand: KFD

## INTRODUCTION

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Thank you for choosing the KFD 65W USB-C Car Charger. This charger is designed to provide efficient and reliable power to your NOCO Boost X UltraSafe Lithium Jump Starters, including models GBX45, GBX55, GBX75, and GBX155. This manual provides essential information for the safe and effective use of your charger.

## SAFETY INFORMATION

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Please read all safety instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not expose the charger to rain, moisture, or extreme temperatures.
- Do not operate the charger if it has been damaged in any way.
- Ensure the vehicle's cigarette lighter socket is clean and free of debris before inserting the charger.
- Always disconnect the charger from the vehicle's power outlet when not in use.
- Keep out of reach of children.
- This charger is designed for 12V-24V DC vehicle power outlets only. Do not use with other power sources.
- The charger features built-in protections against over-current, over-circuit, and over-heat. However, always monitor the charging process.

## PACKAGE CONTENTS

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Verify that all items are present in your package:

- KFD 65W USB-C Car Charger (with integrated cigarette lighter plug and USB-C cable)



Image: The KFD 65W USB-C Car Charger, showing the main adapter unit, the integrated cigarette lighter plug, and the USB-C charging cable.

## PRODUCT OVERVIEW

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The KFD 65W USB-C Car Charger is engineered for optimal performance and durability. It features high-quality IC components for stable and safe power delivery.

### Key Features:

- **Input:** DC 12V-24V (9V-32V Max)
- **Output:** 5V3A, 9V3A, 12V3A, 15V3A, 20V3.25A (65W Max)
- **Cable Length:** 2.6 meters (8.53 feet)
- **Protections:** Over-current, Over-circuit, Over-heat, Short Circuit Protection
- **Design:** Compact, Lightweight, Travel-friendly

### Compatibility:

This charger is specifically designed for the following NOCO Boost X UltraSafe Lithium Jump Starter models:

- NOCO Boost X GBX45
- NOCO Boost X GBX55
- NOCO Boost X GBX75
- NOCO Boost X GBX155

# Compatible with NOCO Models



GBX155



GBX45



GBX55



GBX75



Image: The KFD charger shown alongside various NOCO Boost X models (GBX45, GBX55, GBX75, GBX155), illustrating compatibility.

# 12-24VDC

Universal suitable for all cars, such as trucks, buses, SUVs, RVs and devices with cigarette lighters, etc.



Image: The KFD charger with an illustration of various vehicle types (RV, Big Truck, Car, SUV, Yacht), indicating its universal 12-24V DC compatibility.

## Quality Assurance:

The KFD charger is built with high-quality components for enhanced safety and longevity.

- **Long Contactor:** Ensures a secure connection.
- **15A Fuse (F15AL 6x30mm):** Easily replaceable and commonly available.
- **Real Copper Spring:** Minimizes current loss and voltage drop.
- **4000 Bending Test:** Cable designed for durability.
- **14 AWG Copper Wire:** For efficient power transmission.
- **High Quality Verification Cable:** Ensures reliable performance.

# High Quality Assurance

KFD



Others



Long Contactor  
Greate Connection

①



①

Short Contactor  
Loose Contact

15A Fuse  
F15AL  
6X30mm  
common in  
local store

②



②

Unknow Fuse  
can't Find  
Replacement

Real Copper  
Spring Maxium  
Current Less  
Votage Drop

③



③

Unknow  
Metal Small  
Current More  
Votage Drop

4000  
Bending  
Test

④



④

After  
10 Normal  
Bend

14 AWG  
Copper  
Wire

⑤



⑤

Unknow  
Gauge

High Quality  
Verification Cable

⑥



⑥

None UL



Image: A detailed diagram comparing the internal components of the KFD charger (left) with generic alternatives (right), emphasizing the quality and safety features such as the long contactor, 15A fuse, real copper spring, and 14 AWG copper wire.

## High-quality IC components Stable and safe



Image: A close-up view of the charger's internal circuit board, showcasing the high-quality IC components that ensure stable and safe operation.

## SETUP

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Follow these steps to set up your KFD 65W USB-C Car Charger:

1. Locate the 12V or 24V DC cigarette lighter socket in your vehicle.
2. Insert the cigarette lighter plug of the KFD charger firmly into the vehicle's power socket. Ensure a snug fit.
3. Connect the USB-C end of the charger cable to the USB-C input port on your NOCO Boost X jump starter.



Image: The KFD car charger's cigarette lighter plug inserted into a vehicle's power outlet, demonstrating the initial setup step.

## OPERATING INSTRUCTIONS

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Once the charger is connected, your NOCO Boost X jump starter will begin charging. The charging status will typically be indicated by the LEDs or display on your jump starter unit.

1. Ensure the charger is securely connected to both the vehicle's power outlet and the NOCO Boost X jump starter.
2. The jump starter will automatically detect the charger and begin the charging process.
3. Monitor the charging indicator on your NOCO Boost X unit to track the charge level.
4. Once fully charged, you may disconnect the charger. It is safe to leave the charger connected if continuous power is desired, thanks to its built-in protection features.



Image: The KFD charger actively connected to a NOCO Boost X jump starter, which is being charged from a portable power station, illustrating the charging operation.

## MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your charger.

- **Cleaning:** Use a dry, soft cloth to wipe the charger. Do not use liquid cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place when not in use. Avoid extreme temperatures and direct sunlight.
- **Cable Care:** Do not bend or crimp the cable excessively. Avoid placing heavy objects on the cable.

## TROUBLESHOOTING

If you encounter issues with your KFD charger, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Charger not providing power	Loose connection; Vehicle socket issue; Blown fuse in charger.	Ensure connections are secure. Test the vehicle's cigarette lighter with another device. Check and replace the 15A fuse in the charger if necessary.
Slow charging	Vehicle voltage fluctuation; High power demand from jump starter.	Ensure vehicle engine is running for stable voltage. Verify the jump starter's charging requirements.
Charger feels warm	Normal operation during charging.	A slight warmth is normal. If it becomes excessively hot or emits smoke/odor, disconnect immediately and cease use.

## SPECIFICATIONS

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Detailed technical specifications for the KFD 65W USB-C Car Charger:

- **Model Number:** C65-65W USB C
- **Input Voltage:** DC 12V-24V (9V-32V Max)
- **Output:** 5V3A, 9V3A, 12V3A, 15V3A, 20V3.25A
- **Maximum Wattage:** 65W
- **Output Current:** 3.25 Amps (Max)
- **Connector Type:** USB Type C
- **Cable Length:** 2.6 meters / 8.53 feet
- **Item Weight:** 9.1 ounces
- **Package Dimensions:** 7.52 x 5.08 x 1.97 inches
- **Color:** Black
- **Manufacturer:** Shenzhen Huikeyuan Electronic Technology Co.,Ltd

## Compact and Environment-friendly Design

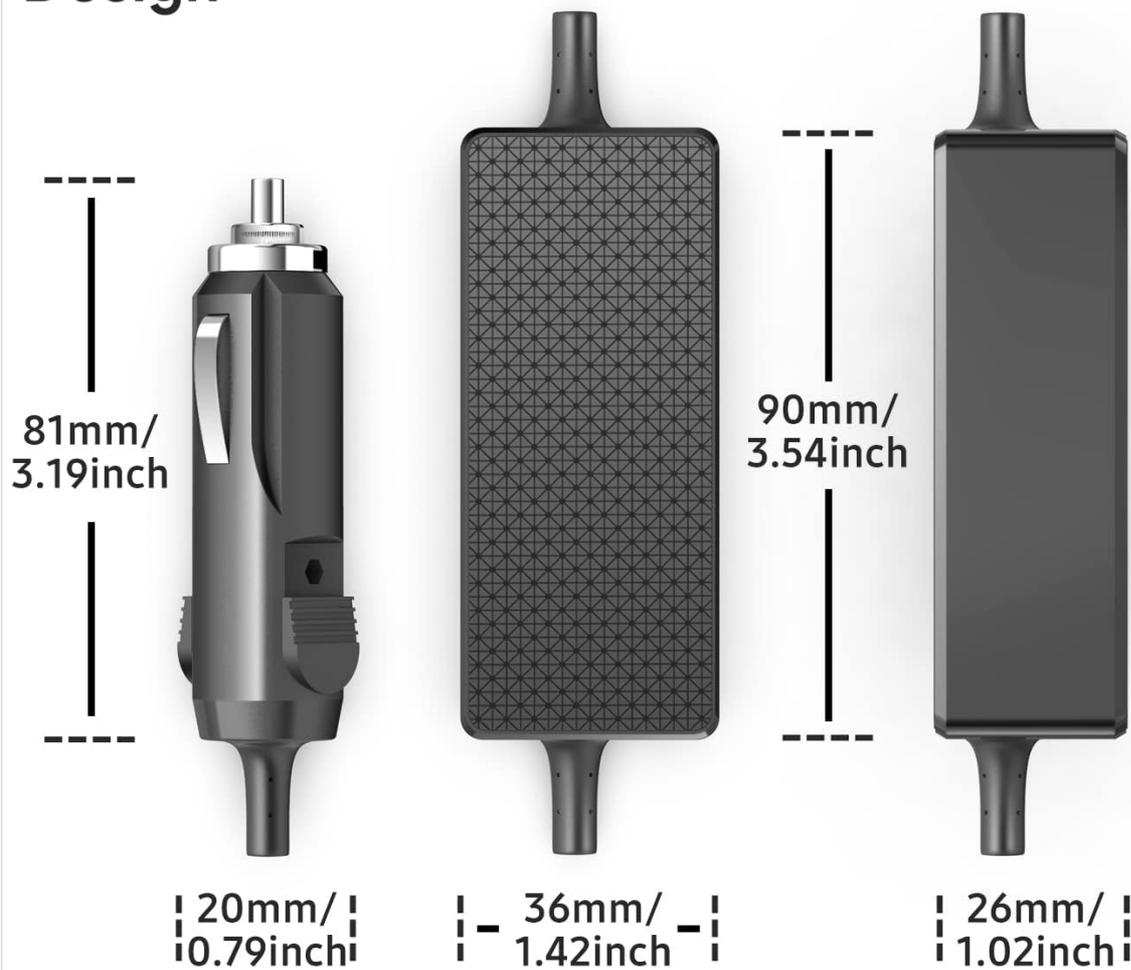


Image: A diagram illustrating the compact dimensions of the KFD USB-C car charger's main unit and the cigarette lighter plug, showing measurements in millimeters and inches.

## WARRANTY AND SUPPORT

Your KFD 65W USB-C Car Charger comes with a comprehensive warranty to ensure your satisfaction.

- **Warranty Period:** 36 Months Warranty
- **Exchange Policy:** 30 Days Free Exchange

For warranty claims or technical support, please contact the seller or manufacturer directly. Please retain your proof of purchase for warranty validation.