

DAOLAR F071B-E16A

DAOLAR Portable EV Charger Type 2 Instruction Manual

Model: F071B-E16A

1. INTRODUCTION

Thank you for choosing the DAOLAR Portable EV Charger Type 2. This device is designed to provide a convenient and efficient charging solution for your electric vehicle at home or on the go. It features adjustable current settings, a 5-meter cable, and is compatible with all IEC 62196-2 standard Type 2 electric vehicles. Please read this manual thoroughly before use to ensure safe and optimal operation.

2. SAFETY INSTRUCTIONS

Your safety is paramount. This charger is equipped with multiple safety features. Adhere to the following guidelines:

- **Electrical Safety:** Ensure the power outlet used is properly grounded and meets local electrical codes. Do not use extension cords or adapters.
- **Protection Features:** The charger includes leakage protection, overcurrent protection, overvoltage protection, undervoltage protection, waterproof and dustproof (IP65), overheating protection, and lightning protection. In case of any fault (overheating, overvoltage, leakage), the power supply will be automatically cut off to prevent accidents.
- **Environmental Conditions:** Do not immerse the charger or its connectors in water. Avoid using the charger in extreme temperatures or highly humid environments beyond its specified operating range.
- **Cable Handling:** Do not drive over the charging cable or subject it to sharp bends or excessive force. Inspect the cable and connectors for damage before each use.
- **Children and Pets:** Keep the charger and cable out of reach of children and pets during operation.

SAFE AND SECURE

TRUSTWORTHY



Leakage
Protection



Overcurrent
Protection



Flame retardant
protection



Short Circuit
Protection



Waterproof
protection



Lightning
protection



Image: The DAOLAR EV charger highlighting its comprehensive safety features including protection against leakage, overcurrent, short circuit, and environmental factors like water and lightning.

Protección de temperatura

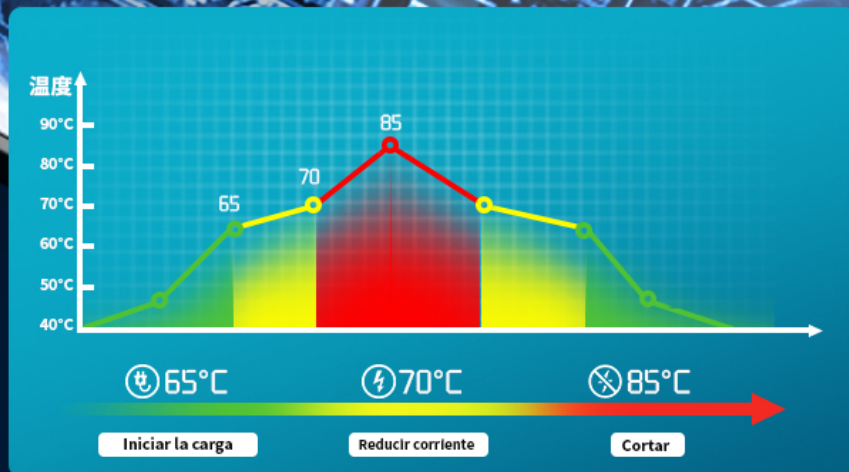


Image: A graph illustrating the charger's temperature protection mechanism, showing how it reduces current at 70°C and cuts off power at 85°C to prevent overheating.

3. PRODUCT OVERVIEW

The DAOLAR Portable EV Charger consists of the main control unit, a 5-meter charging cable, and a Type 2 connector for your vehicle.



Image: The DAOLAR Type 2 EV charging cable and its integrated control unit, ready for connection to an electric vehicle.

Package Contents:

- DAOLAR Portable EV Charger (Control Unit with Cable and Connectors)
- User Manual
- Mounting accessories (screws, drilling stickers)



Image: The complete package contents, showing the EV charger, user manual, and a screw kit with drilling stickers for installation.

4. SPECIFICATIONS

Feature	Specification
Brand	DAOLAR
Model Number	F071B-E16A
Input Voltage	230 Volts (AC)
Output Voltage	230 Volts (AC)
Current Rating	16 A (Adjustable: 6A/10A/13A/16A)

Feature	Specification
Power	3.5 KW
Phase	Single-Phase
Cable Length	5 Meters
Connector Type	Type 2 (IEC 62196-2)
Protection Rating	IP65 (Waterproof and Dustproof)
Certifications	CE

5. SETUP

- Unpack the Charger:** Carefully remove all components from the packaging. Inspect the charger, cable, and connectors for any signs of damage. Do not use if damaged.
- Choose a Location:** Select a suitable location for charging, ensuring it is dry, well-ventilated, and within reach of a compatible power outlet and your vehicle's charging port. While the unit is IP65 rated, keep the power plug away from direct water exposure.
- Connect to Power Outlet:** Insert the power plug firmly into a standard 230V AC, 16A grounded wall socket. The charger's LCD screen should illuminate, indicating it is powered on.
- Connect to Vehicle:** Open your vehicle's charging port cover. Insert the Type 2 connector into the vehicle's charging inlet until it clicks into place. Ensure a secure connection.

EV CHARGER FOR TYPE 2

IEC 62196-2 EU Universal Standard



Image: The Type 2 connector being inserted into an electric vehicle's charging port, demonstrating compatibility with IEC 62196-2 standard.

6. OPERATING INSTRUCTIONS

6.1 Adjusting Charging Current

The DAOLAR EV charger allows you to adjust the charging current to suit your needs or the capacity of your electrical circuit. The available current settings are 6A, 10A, 13A, and 16A.

1. Before connecting to the vehicle or when charging is paused, press the button on the control unit to cycle through the available current options.
2. Select the desired current (e.g., 13A) as displayed on the LCD screen.
3. Once the desired current is set, connect the charger to your vehicle to begin charging.

IP65 WATERPROOF

When using, keep the plug away from water



Image: The charger's control unit showing the adjustable current options (6A, 10A, 13A, 16A) on its display.

6.2 Understanding the LCD Display

The 1.4-inch LCD screen provides real-time information about the charging process:

- **Voltage (V):** Displays the current voltage.
- **Current (A):** Shows the selected and actual charging current.
- **Power (KW):** Indicates the charging power.
- **Charging Time:** Tracks the duration of the current charging session.
- **Temperature:** Displays the internal temperature of the charger.
- **Fault Indicators:** Various LED light colors and on-screen icons will indicate the charging status or any detected faults.

LCD DISPLAY SCREEN



Image: A detailed view of the LCD display, showing real-time charging data such as voltage, current, charging time, and accumulated energy.

6.3 Starting and Stopping Charging

- **To Start Charging:** After connecting the charger to the power outlet and your vehicle, the charging process should begin automatically. The LCD screen will show active charging data.
- **To Stop Charging:** Disconnect the Type 2 connector from your vehicle first. Then, unplug the power plug from the wall socket.

7. MAINTENANCE

- **Cleaning:** Disconnect the charger from both the power source and the vehicle before cleaning. Use a soft, dry cloth to wipe the control unit and cable. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use, store the charger in a dry, cool place, away from direct sunlight and extreme temperatures. Coil the cable neatly to prevent kinks or damage.

- **IP65 Rating:** The charger is rated IP65, meaning it is protected against dust ingress and low-pressure water jets from any direction. This allows for effective use even in harsh environments. However, always ensure the power plug is kept away from water.
- **Regular Inspection:** Periodically inspect the cable, connectors, and control unit for any signs of wear, damage, or corrosion. If any damage is found, discontinue use and contact support.



Image: The DAOLAR EV charger installed outdoors during rain, illustrating its IP65 waterproof and dustproof capabilities. Note: Keep the power plug away from water.

8. TROUBLESHOOTING

If you encounter issues with your DAOLAR EV Charger, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Charger not powering on	No power from outlet, loose connection, internal fault.	Check the power outlet with another device. Ensure the power plug is fully inserted. If still no power, contact support.
Charging not starting	Vehicle not ready to charge, Type 2 connector not fully inserted, safety protection activated.	Ensure your vehicle is ready to accept charge. Re-insert the Type 2 connector firmly. Check the LCD for error messages. Disconnect and reconnect the charger.
Error message or flashing LED indicator	Overheating, overcurrent, voltage fluctuation, leakage, or other internal fault.	Note the error message or LED pattern. The charger's intelligent control chip will cut power in case of a fault. Disconnect the charger, wait a few minutes, and try again. If the error persists, contact support.
Slow charging speed	Current setting is low, vehicle limitation, power supply issue.	Adjust the charging current to a higher setting (e.g., 16A) if your electrical circuit and vehicle support it. Check your vehicle's charging settings.

For issues not listed here or if troubleshooting steps do not resolve the problem, please contact DAOLAR customer support.

9. WARRANTY AND SUPPORT

DAOLAR is committed to customer satisfaction and product quality.

- **Warranty:** This DAOLAR EV Charger comes with a **one-year quality warranty** from the date of purchase.
- **Technical Support:** We provide **lifetime technical support** for our products.
- **Contact Us:** If you have any questions, require assistance, or need to claim warranty service, please contact DAOLAR customer support through the platform where you purchased the product. We are dedicated to providing a satisfactory solution.

