

DAOLAR F071B-E16A

DAOLAR Type 2 Portable EV Charger User Manual

Model: F071B-E16A

1. PRODUCT OVERVIEW

The DAOLAR Type 2 Portable EV Charger is designed to provide convenient and efficient charging for electric vehicles compatible with the IEC 62196-2 standard. This charger features adjustable current settings, comprehensive safety protections, and a smart LCD display for real-time monitoring of charging parameters.



Figure 1.1: The DAOLAR Type 2 Portable EV Charger, showing the main unit, Type 2 connector, and standard EU plug. This model is 3.5KW, 16A, with a 4-meter cable.

Key Features:

- **Adjustable Current:** Flexibly switch between 6A, 10A, 13A, and 16A to suit your charging needs and power availability.
- **Comprehensive Safety:** Equipped with multiple protection mechanisms including leakage, overcurrent, overvoltage, undervoltage, overheating, short-circuit, and lightning protection.
- **Smart LCD Display:** A 1.4-inch screen provides real-time data on voltage, current, power, charging time, and temperature.
- **Durable and Weatherproof:** IP65 rated for water and dust resistance, ensuring reliable operation in various environmental conditions.
- **Universal Compatibility:** Complies with the IEC 62196-2 EU standard, making it compatible with most Type 2 electric vehicles.

2. PACKAGE CONTENTS

Before proceeding with installation and operation, please verify that all items listed below are present in your package:

- DAOLAR Type 2 Portable EV Charger (3.5KW, 16A, 4M cable)
- User Manual
- Screw kit and drilling stickers for wall mounting



Figure 2.1: Illustration of the package contents, including the EV charger, user manual, and mounting accessories.

3. SETUP AND INSTALLATION

The DAOLAR portable EV charger is designed for ease of use. It can be used as a portable unit or mounted on a wall for a more permanent setup.

3.1 Wall Mounting (Optional)

1. **Choose a Location:** Select a dry, shaded area near a suitable power outlet, away from direct sunlight or heavy rain. Ensure the surface is sturdy enough to support the charger's weight.
2. **Mark Drilling Points:** Use the provided drilling stickers to mark the positions for the mounting screws on the wall.
3. **Drill Holes:** Drill holes at the marked points.
4. **Insert Wall Plugs:** Insert the wall plugs into the drilled holes.
5. **Secure the Charger:** Align the charger with the holes and secure it to the wall using the provided screws.



Figure 3.1: The charger mounted on a wall, demonstrating its IP65 waterproof capability in a rainy environment. Ensure the plug connection is protected from water.

3.2 Initial Connection

1. Ensure the power outlet is compatible with the charger's specifications (219V, 16A, single-phase).
2. Plug the charger's power plug into the wall outlet. The LCD screen should illuminate, indicating the charger is ready.

4. OPERATING INSTRUCTIONS

4.1 Connecting to Your EV

1. Ensure your electric vehicle is turned off and the charging port is accessible.
2. Insert the Type 2 connector of the DAOLAR charger firmly into your vehicle's charging port. You should hear a click, indicating it's securely locked.
3. The charger's LCD screen will display charging information, and the LED indicator will show the charging status.



Figure 4.1: The Type 2 connector being inserted into an electric vehicle's charging port, confirming compatibility with IEC 62196-2 EU Universal Standard.

4.2 Adjusting Charging Current

The charger allows you to adjust the charging current to optimize charging speed based on your vehicle's needs or available power supply.

1. Before connecting to the vehicle or during charging, press the power button on the control box to cycle through the available current settings (6A, 10A, 13A, 16A).
2. The selected current will be displayed on the LCD screen.

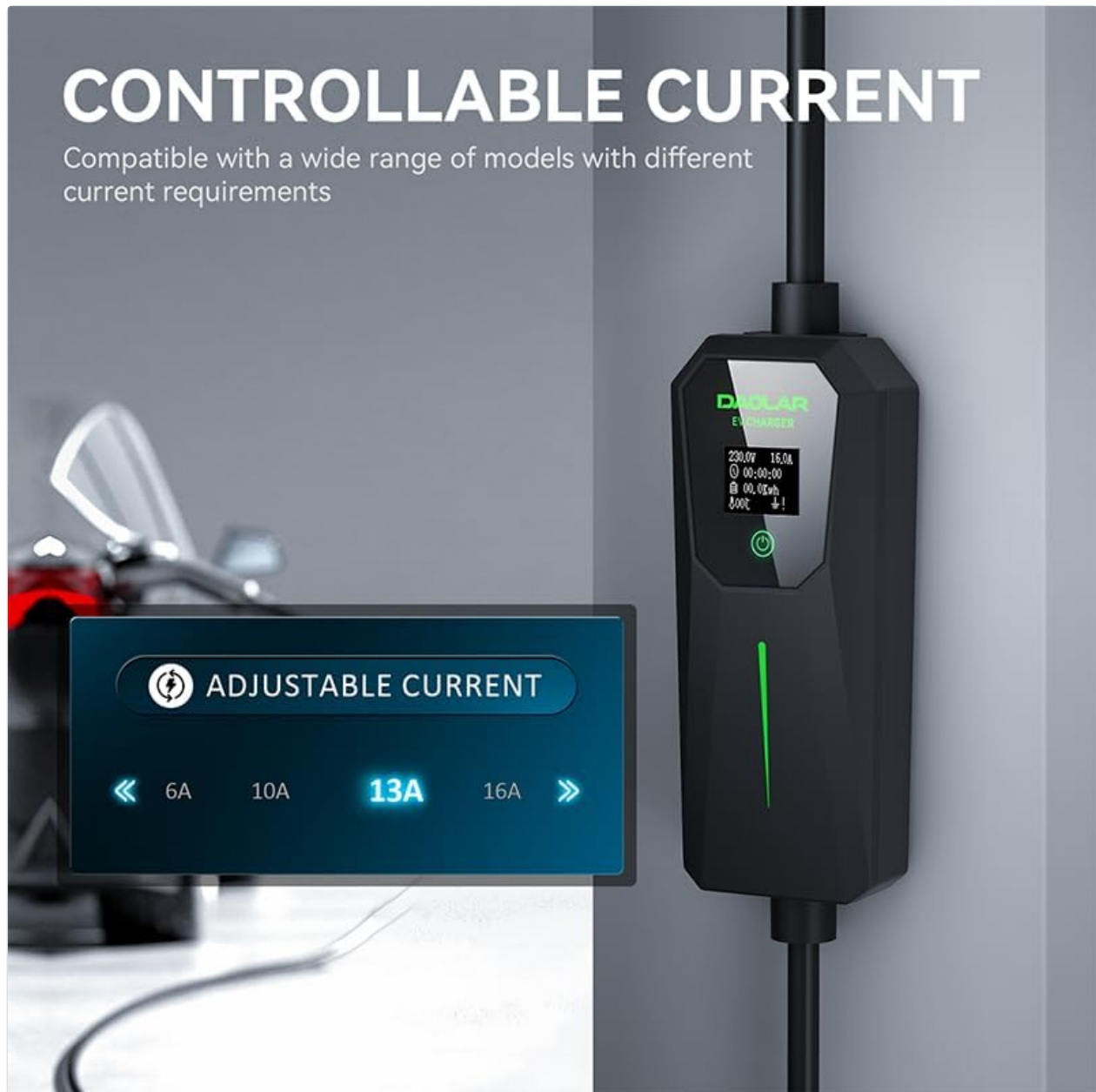


Figure 4.2: The control box displaying options for adjustable current settings (6A, 10A, 13A, 16A).

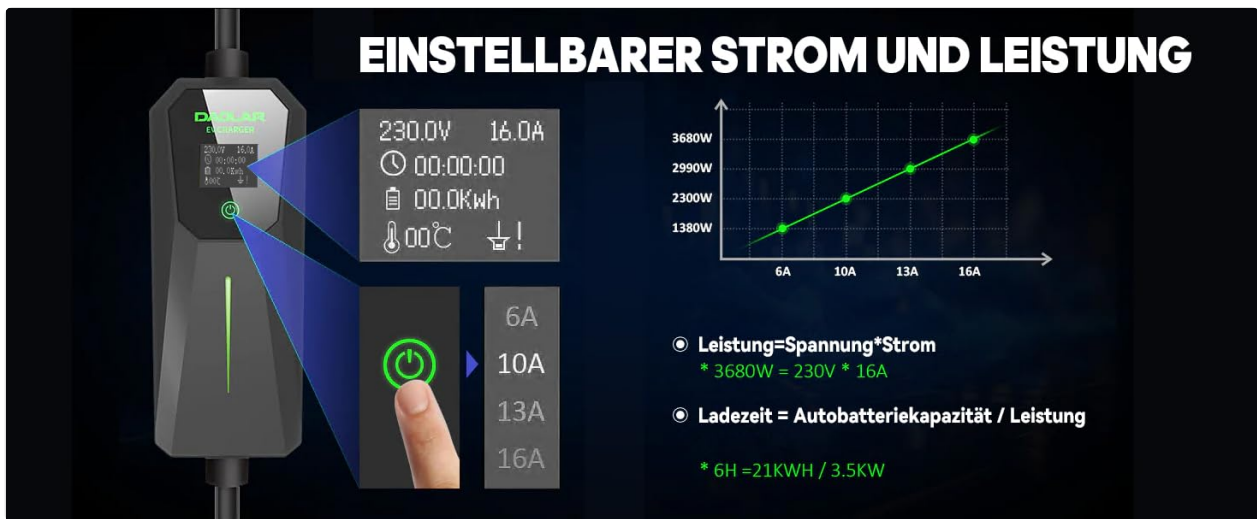


Figure 4.3: Detailed view of the LCD screen and current adjustment button, illustrating how power is calculated (Power = Voltage * Current).

4.3 Monitoring Charging Status

The 1.4-inch LCD screen provides real-time information:

- **Voltage (V):** Current input voltage.
- **Current (A):** Current charging amperage.
- **Power (KW):** Real-time charging power.
- **Charging Time:** Duration of the current charging session.
- **Temperature (°C):** Internal temperature of the control box.
- **Energy (KWh):** Total energy delivered during the session.

LED indicators also provide visual cues for charging status and error notifications.

LCD DISPLAY SCREEN



Figure 4.4: A close-up view of the LCD display, showing real-time charging data such as voltage, current, charging time, and temperature.

4.4 Disconnecting the Charger

1. Once charging is complete or you wish to stop, first disconnect the Type 2 connector from your vehicle's charging port.
2. Then, unplug the charger's power plug from the wall outlet.

5. SAFETY INFORMATION AND PROTECTIONS

The DAOLAR EV Charger incorporates multiple safety features to ensure a secure charging experience. Always adhere to local electrical codes and safety guidelines.

- **Leakage Protection:** Automatically cuts off power in case of current leakage.
- **Overcurrent Protection:** Prevents damage from excessive current flow.

- **Overvoltage Protection:** Safeguards against high voltage spikes.
- **Undervoltage Protection:** Protects against low voltage conditions.
- **Overheating Protection:** Monitors internal temperature and reduces current or shuts down if overheating occurs.
- **Short-Circuit Protection:** Immediately cuts power in case of a short circuit.
- **Lightning Protection:** Offers defense against lightning strikes.
- **IP65 Waterproof and Dustproof:** Ensures reliable operation in various weather conditions.



Figure 5.1: Icons representing the various safety features, including leakage, overcurrent, flame retardant, short circuit, waterproof, and lightning protection.



Figure 5.2: Graph illustrating the temperature protection mechanism: charging starts below 65°C, current is reduced between 70°C and 85°C, and the unit shuts down above 85°C.



Figure 5.3: Visual representation highlighting the flame-retardant properties of the charger's materials, enhancing safety.

Important Safety Precautions:

- Do not use the charger if the cable or plug is damaged.
- Do not attempt to open or repair the charger yourself. Contact customer support for assistance.
- Ensure the power outlet is properly grounded.
- Keep the charging unit and cables away from water and extreme temperatures during operation, especially the plug connection.

6. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and safe operation of your DAOLAR EV Charger.

- **Cleaning:** Wipe the charger and cables with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the unit is unplugged before cleaning.
- **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.

- **Inspection:** Periodically inspect the cable, plug, and connector for any signs of wear, damage, or corrosion. If any damage is found, discontinue use and contact customer support.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Charger not turning on / LCD screen blank.	No power from outlet; charger not properly plugged in.	Check the wall outlet with another device. Ensure the charger's plug is fully inserted into the outlet.
Charging not starting.	EV not ready for charging; connector not fully inserted; safety protection activated.	Ensure your EV is ready to accept charge. Re-insert the Type 2 connector firmly. Check LCD for error codes and refer to safety section.
Charging stops unexpectedly.	Overheating protection; power fluctuation; vehicle issue.	Allow charger to cool down if hot. Check power supply stability. Consult your vehicle's manual.
Error message on LCD.	Specific fault detected by the intelligent chip.	Note the error code/message. Refer to the full user manual (if available) for specific error interpretations or contact customer support.

If the problem persists after attempting these solutions, please contact DAOLAR customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	DAOLAR
Model Number	F071B-E16A
Charging Standard	IEC 62196-2 (Type 2)
Rated Power	3.5 KW
Rated Current	16A (Adjustable: 6A/10A/13A/16A)
Output Voltage	219 V
Phase	Single-phase
Cable Length	4 Meters

Feature	Detail
Ingress Protection (IP) Rating	IP65 (Waterproof and Dustproof)
Display	1.4-inch LCD Screen
Product Dimensions	30.5 x 30.5 x 12 cm
Product Weight	1.9 Kilograms
Color	Black

9. WARRANTY AND SUPPORT



DAOLAR provides a one-year quality guarantee for this product. We are committed to customer satisfaction and offer lifetime technical support.





If you have any questions, require assistance, or need to claim warranty service, please contact DAOLAR customer support through the retailer where you purchased the product or visit the official DAOLAR store on Amazon:

Visit DAOLAR Store on Amazon

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Related Documents - F071B-E16A

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<p>Electric Vehicle AC Charger INSTRUCTIONS MANUAL</p> <p>DAOLAR</p>  <p>Thank you for your purchase. To ensure smooth operation of product, please read this manual carefully before use.</p>	<p>DAOLAR Electric Vehicle AC Charger Instruction Manual - Model F07-U16A</p> <p>Comprehensive instruction manual for the DAOLAR F07-U16A Electric Vehicle AC Charger. Learn about product features, operation, safety precautions, and technical specifications for charging electric vehicles.</p>
<p>Electric Vehicle AC Charger</p> <p>DAOLAR</p>  <p>INSTRUCTIONS MANUAL</p> <p>F097-E16A-3</p>	<p>DAOLAR F097-E16A-3 Electric Vehicle AC Charger Instructions Manual</p> <p>Comprehensive instructions manual for the DAOLAR F097-E16A-3 Electric Vehicle AC Charger. Covers product overview, diagrams, LED indicators, display functions, charging modes, technical specifications, safety guidelines, and troubleshooting.</p>
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