Manuals+
Q & A | Deep Search | Upload

JATRHG EV-IEC-AC16-PV

JATRHG Portable EV Charger Type 2 (7.2KW, 32A) Instruction Manual

Model: EV-IEC-AC16-PV

1. Introduction

Thank you for choosing the JATRHG Portable EV Charger. This manual provides essential information for the safe and efficient operation of your new electric vehicle charging device. Please read this manual thoroughly before use and retain it for future reference.
The JATRHG Portable EV Charger is designed for convenient and flexible charging of electric vehicles equipped with a Type 2 charging port. It offers selectable current levels and robust safety features to ensure a reliable charging experience.

2. Important Safety Information

Always observe the following safety precautions to prevent injury, damage to the product, or damage to your vehicle.

- Ensure the charging cable and connector are free from damage before each use. Do not use if any part is damaged.
- Do not attempt to open, disassemble, or modify the charger. This may cause electric shock, fire, or other hazards.
- Keep the charger away from water, flammable materials, and extreme temperatures. Although the casing is waterproof, avoid submerging the control box.
- Ensure the power outlet used is properly grounded and rated for the selected charging current. Consult a qualified electrician if unsure.
- Do not force the connector into the vehicle's charging port. Ensure proper alignment.
- Always disconnect the charger from the power source before attempting any cleaning or maintenance.
- The charger is equipped with advanced safety features including over-voltage, under-voltage, leakage, and over-temperature protection. If a fault occurs, the charger will automatically stop charging.
- Monitor the charger and connection points during charging, especially when using higher current settings, to ensure no excessive heat buildup.

3. Package Contents

Verify that all items are present in your package:

- JATRHG Portable EV Charger Control Box with integrated cable and Type 2 Connector
- Power Plug (e.g., CEE 7/7 Schuko or industrial plug, depending on region)
- User Manual
- Carrying Bag

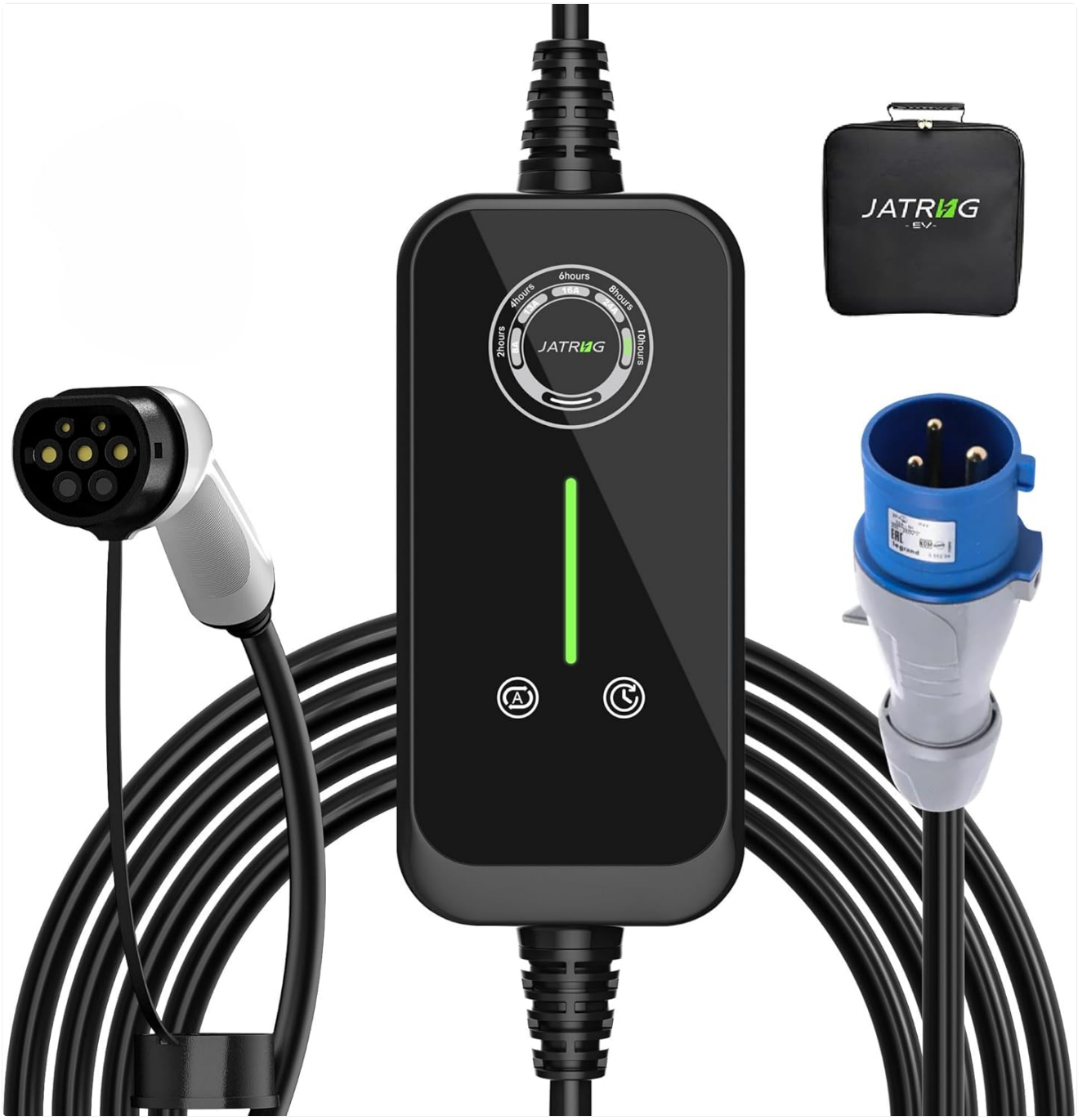


Image 3.1: JATRHG Portable EV Charger components including the control box, Type 2 connector, power plug, and carrying bag.

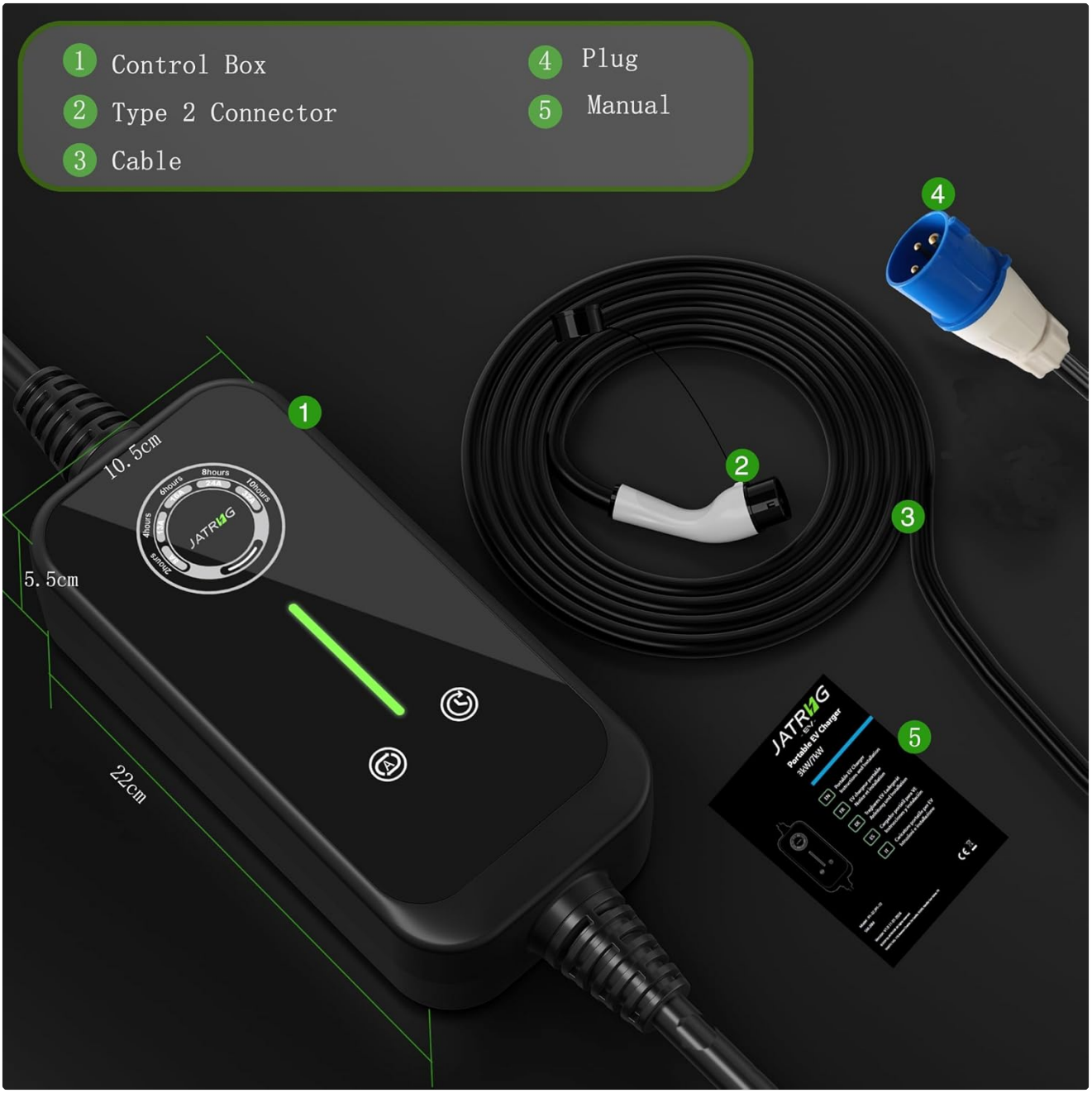
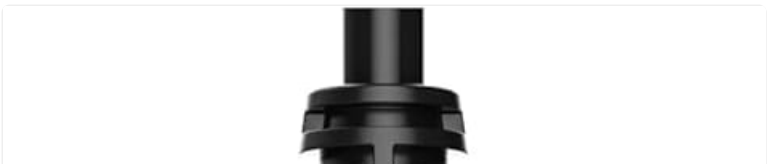


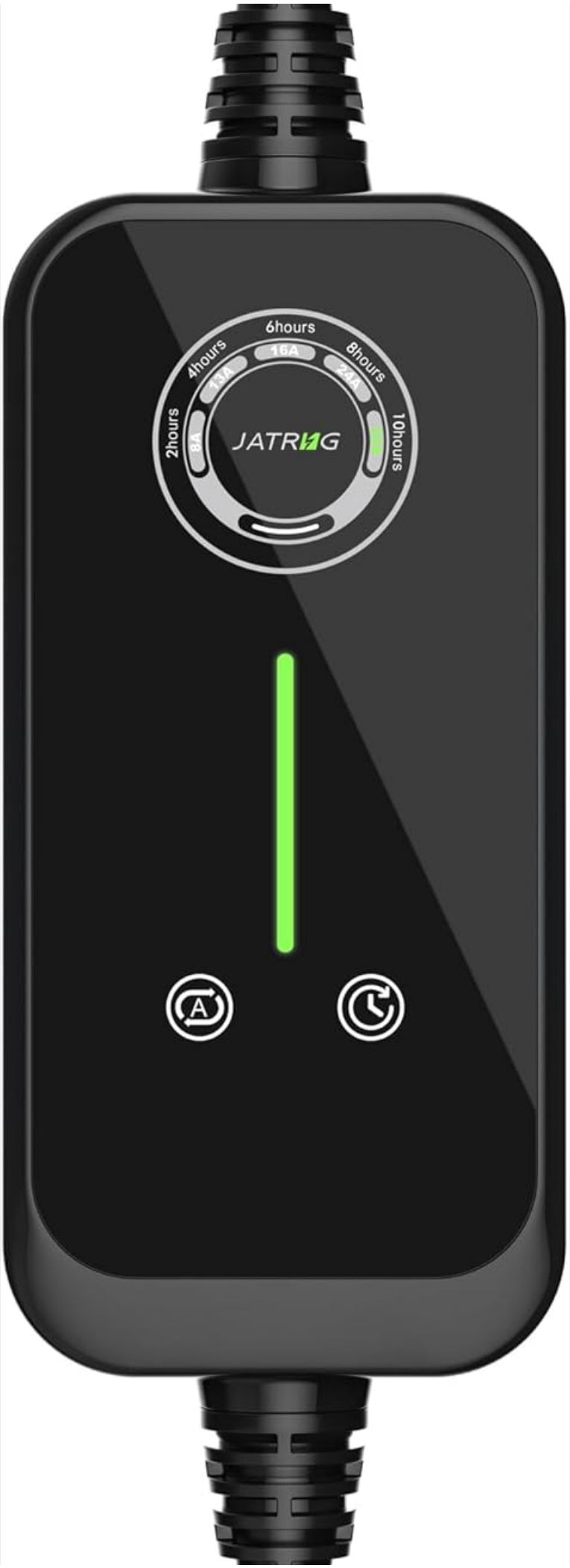
Image 3.2: Labeled diagram of the charger's main parts: (1) Control Box, (2) Type 2 Connector, (3) Cable, (4) Power Plug, and (5) User Manual.

4. Product Overview

The JATRHG Portable EV Charger consists of the following main components:

- **Control Box:** Houses the intelligent charging electronics, LED indicator, and control buttons for current selection and schedule settings.
- **Type 2 Connector:** The standard European connector (IEC 62196-2) for connecting to your electric vehicle.
- **Charging Cable:** An 8-meter long TPU cable connecting the control box to the Type 2 connector, designed for durability and flexibility.
- **Power Plug:** Connects the charger to a suitable wall outlet.




6hours
4hours
8hours
16A
13A
24A
2hours
10hours
JATRIG

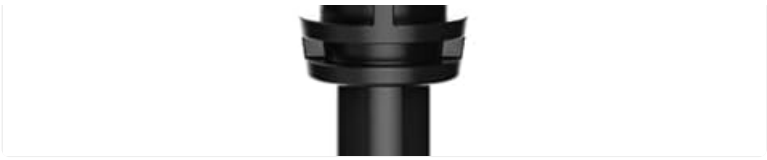


Image 4.1: Close-up of the charger's control box, showing the LED status indicator and control buttons.

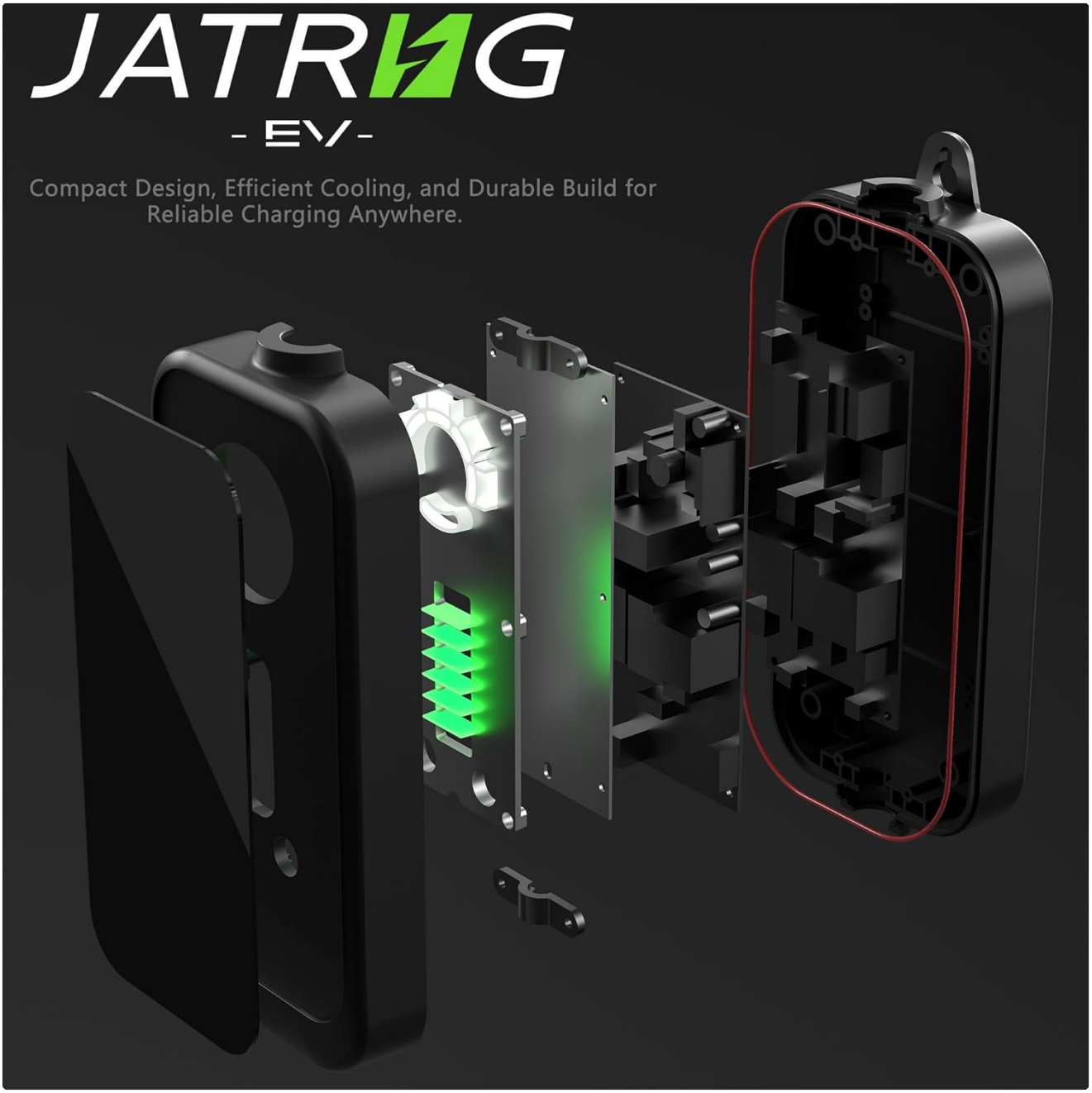


Image 4.2: Exploded view illustrating the robust internal design and efficient cooling components of the control box.

5. Setup

1. **Choose a Location:** Select a dry, well-ventilated area for charging, away from direct sunlight or rain. Ensure the charging cable can reach your vehicle without being stretched or creating a tripping hazard.
2. **Inspect the Charger:** Before each use, visually inspect the control box, cable, and connectors for any signs of damage, cracks, or wear. Do not use the charger if any damage is observed.
3. **Connect to Power:** Insert the power plug firmly into a suitable, grounded wall outlet. The LED indicator on the control box should illuminate, indicating power is supplied.
4. **Prepare Vehicle:** Ensure your electric vehicle is turned off and the charging port cover is open.

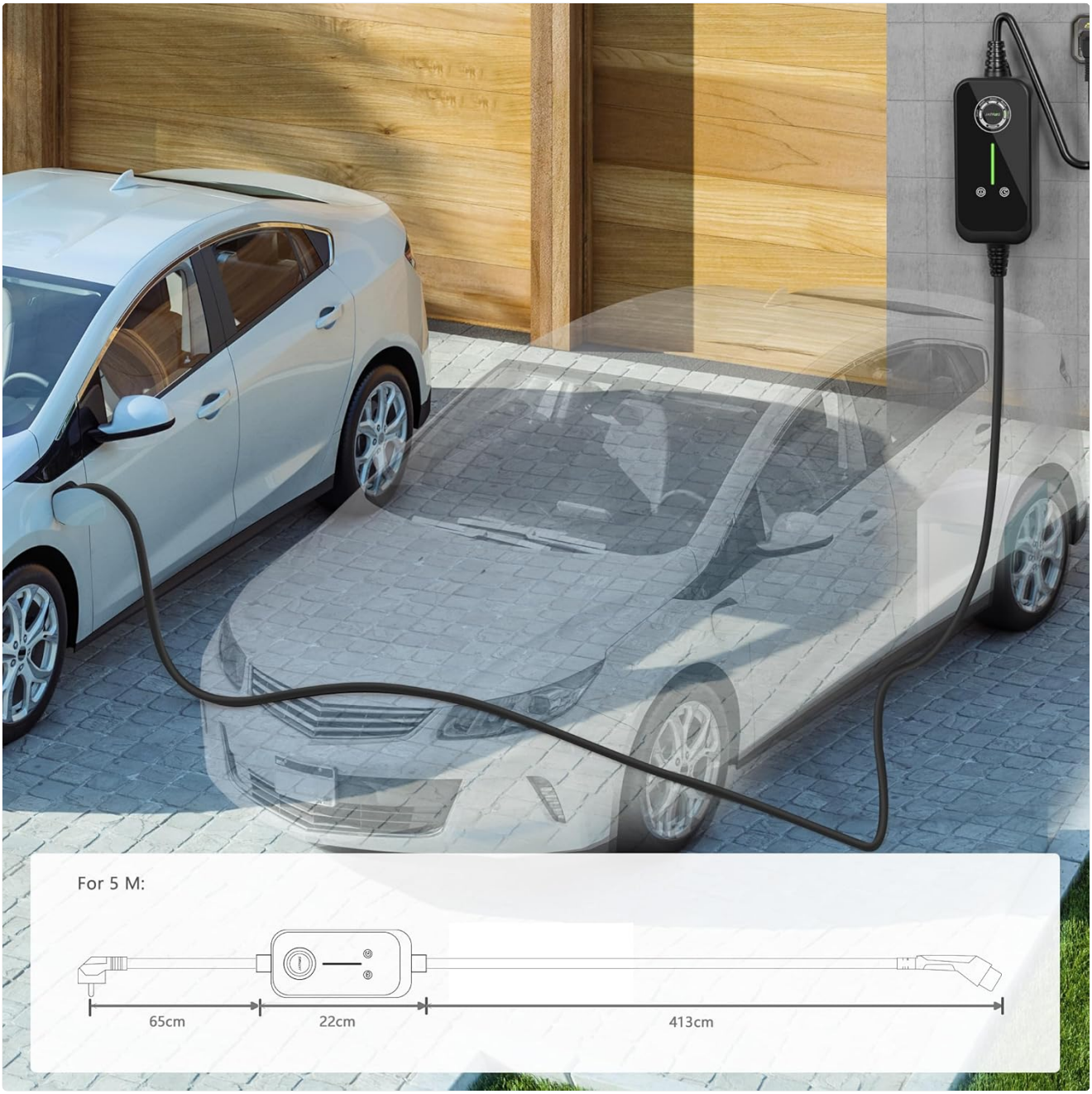


Image 5.1: The charger connected to a vehicle, demonstrating the cable length for flexible placement.

6. Operating Instructions

6.1 Connecting and Starting Charge

1. **Connect to Vehicle:** Insert the Type 2 connector firmly into your vehicle's charging port. You should hear a click as it locks into place.
2. **Select Current (Optional):** Press the **Current Settings** button (marked with 'A' or a current symbol) on the control box to cycle through available current options: 8A, 10A, 13A, 16A, 32A. Select the appropriate current based on your vehicle's requirements and the capacity of your power outlet. The LED indicator will show the selected current.
3. **Start Charging:** Once connected and current selected (if adjusted), the charger will initiate communication with the vehicle and begin charging. The LED indicator will change to show active charging status.

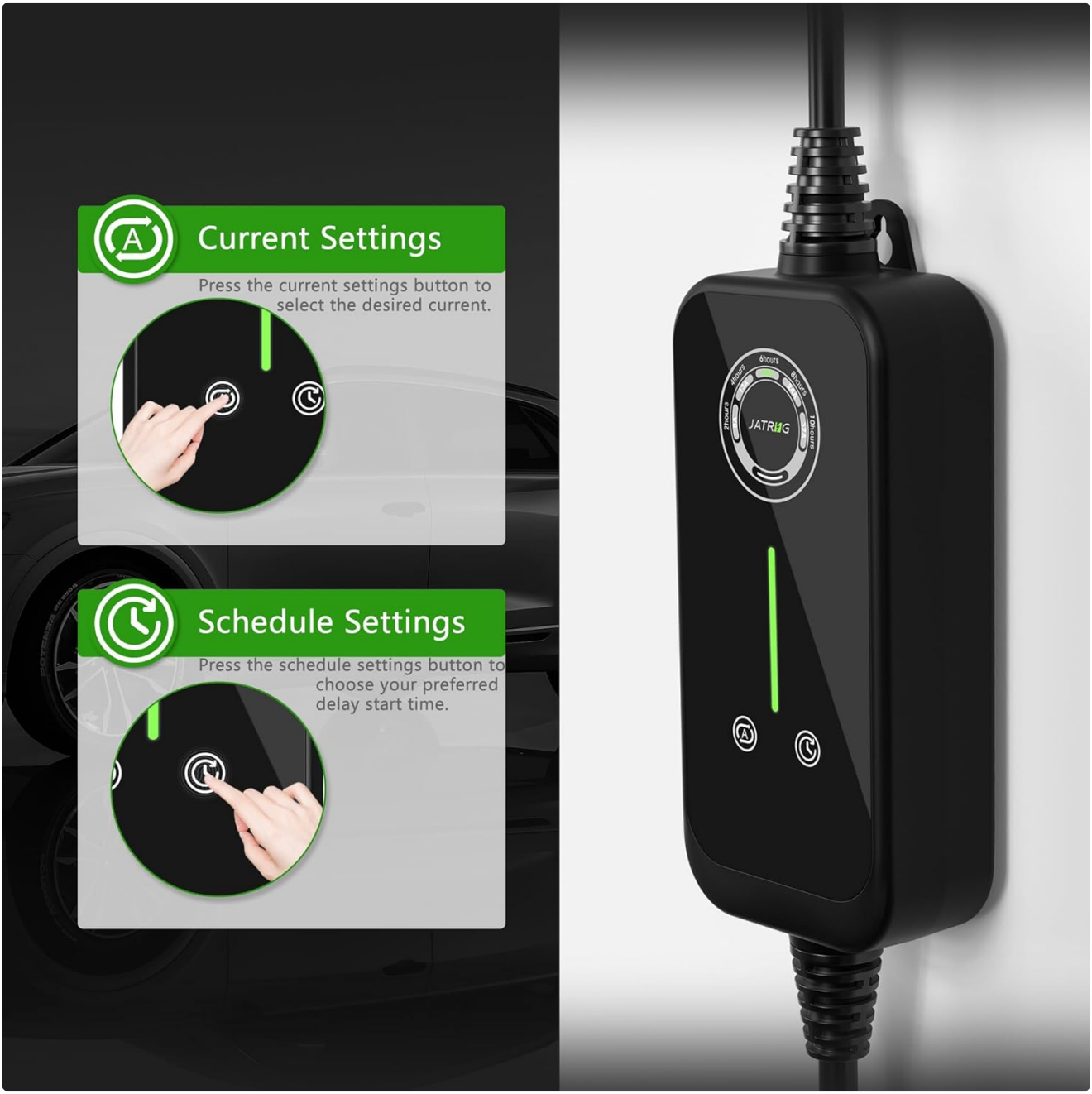


Image 6.1: Instructions for using the Current Settings button (left) and Schedule Settings button (right) on the control box.

6.2 Scheduling Charge (Delay Start)

To set a delayed start time for charging:

1. After connecting the charger to both the power outlet and your vehicle, press the **Schedule Settings** button (marked with a clock symbol) on the control box.
2. Each press will cycle through delay options (e.g., 2 hours, 4 hours, 6 hours, 8 hours, 10 hours). Select your desired delay.
3. The charger will wait for the set delay period before automatically starting the charging process.

6.3 Stopping and Disconnecting Charge

1. **Stop Charging:** Charging will automatically stop when your vehicle's battery is full or if a fault is detected. You can also manually stop charging by disconnecting the Type 2 connector from the vehicle (if your vehicle allows this without unlocking first).
2. **Disconnect from Vehicle:** Unlock your vehicle's charging port (if necessary) and carefully remove the Type 2 connector.

3. **Disconnect from Power:** Unplug the power plug from the wall outlet.
4. **Power Off System:** To completely power off the charger, press and hold the**Current Settings** button for 3 seconds. To restart, press and hold the same button for 3 seconds again.

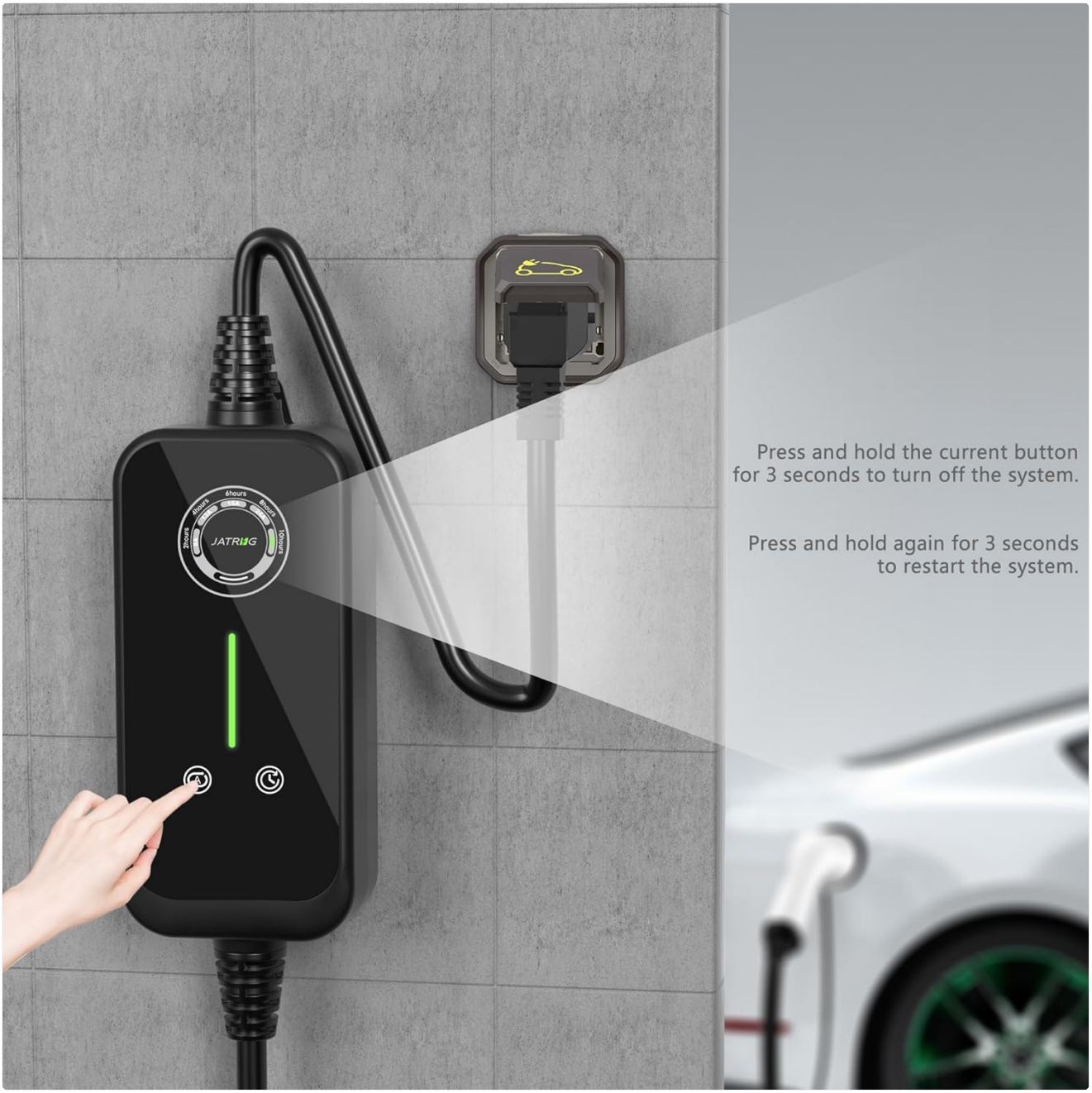


Image 6.2: Instructions for powering off and restarting the charger by holding the Current Settings button.

7. Maintenance

- **Cleaning:** Disconnect the charger from all power sources before cleaning. Use a soft, dry cloth to wipe the control box and cables. Do not use abrasive cleaners, solvents, or immerse any part in water.
- **Storage:** When not in use, store the charger in its carrying bag in a dry, cool place, away from direct sunlight and extreme temperatures. Avoid coiling the cable too tightly.
- **Inspection:** Regularly inspect the cable and connectors for any signs of damage, fraying, or corrosion. If any damage is found, discontinue use and contact customer support.

8. Troubleshooting

Problem	Possible Cause	Solution
Charger not powering on.	No power from outlet; loose connection; charger fault.	Ensure the power plug is fully inserted. Check the wall outlet with another device. Try a different outlet. If the issue persists, contact support.
Charging not starting.	Type 2 connector not fully inserted; vehicle not ready for charge; scheduled delay active; charger fault.	Ensure the Type 2 connector is securely locked into the vehicle. Check your vehicle's dashboard for charging status. Verify no delay start is set. Restart the charger by holding the current button for 3 seconds.
Charging stops unexpectedly.	Vehicle battery full; power outage; internal safety protection activated (over-temperature, over-voltage, etc.); loose connection.	Check vehicle battery level. Verify power supply. Inspect cable and connections for damage or looseness. If the control box indicates an error, refer to the LED status guide (if available, otherwise contact support). Allow the charger to cool down if it feels hot.
Charger or plug feels excessively hot during charging.	High current setting for outlet capacity; faulty outlet; internal issue.	Immediately stop charging. Reduce the current setting to a lower amperage (e.g., 16A or 13A). Ensure the wall outlet and its wiring are rated for the selected current. If using a standard household outlet, avoid continuous charging at maximum current. Consult a qualified electrician to inspect the outlet if overheating persists.

9. Specifications

Model Number	EV-IEC-AC16-PV
Brand	JATRHG
Connector Type	Type 2 (IEC 62196-2)
Input/Output Voltage	220V-250V AC (Single-phase)
Max Power Output	7.2 KW
Selectable Current	8A, 10A, 13A, 16A, 32A
Cable Length	8 meters
Cable Specification	3*6.0 mm^2 + 0.75 mm^2 (TPU)

Waterproof Rating	IP Standard (Casing)
Safety Standards	CE, TÜV
Product Weight	5 kg
Special Features	Fast charging, Waterproof casing, Over-voltage protection, Under-voltage protection, Leakage protection, Over-temperature protection

10. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your purchase or contact JATRHG customer service through the retailer where the product was purchased.
Please have your model number (EV-IEC-AC16-PV) and purchase date available when contacting support.