EQBVZZRD EQBVZZRD Portable EV Charging Cable

User Manual for EQBVZZRD Portable EV Charger

Model: EQBVZZRD Portable EV Charging Cable

1. Introduction

This manual provides essential information for the safe and efficient operation of your EQBVZZRD Portable EV Charger. This device is designed to provide a reliable and flexible charging solution for your electric vehicle, suitable for various environments including normal and cold weather conditions. Please read this manual thoroughly before using the product to ensure proper function and safety.

2. Safety Information

Always adhere to the following safety guidelines to prevent injury or damage to the product or your vehicle:

- Ensure the charging cable and connectors are free from damage before each use. Do not use if any part is damaged.
- This charger is designed with IP67 water resistance, fire resistance, and includes protections against over current, over voltage, under voltage, missing diode, ground fault, and over temperature. However, avoid submerging the unit in water.
- Do not attempt to open, disassemble, or modify the charger. This will void the warranty and may pose a safety risk.
- Connect the charger only to a properly grounded electrical outlet that meets the specified voltage and current requirements.
- Keep children and pets away from the charging area during operation.
- Do not use extension cords or adapters unless specifically approved for EV charging.
- Ensure the charging port on your vehicle is clean and dry before connecting the charger.

3. Package Contents

Verify that all items are present in the package:

- EQBVZZRD Portable EV Charger Unit with integrated cable and EU plug (IEC62196 Type 2 connector)

- User Manual (this document)

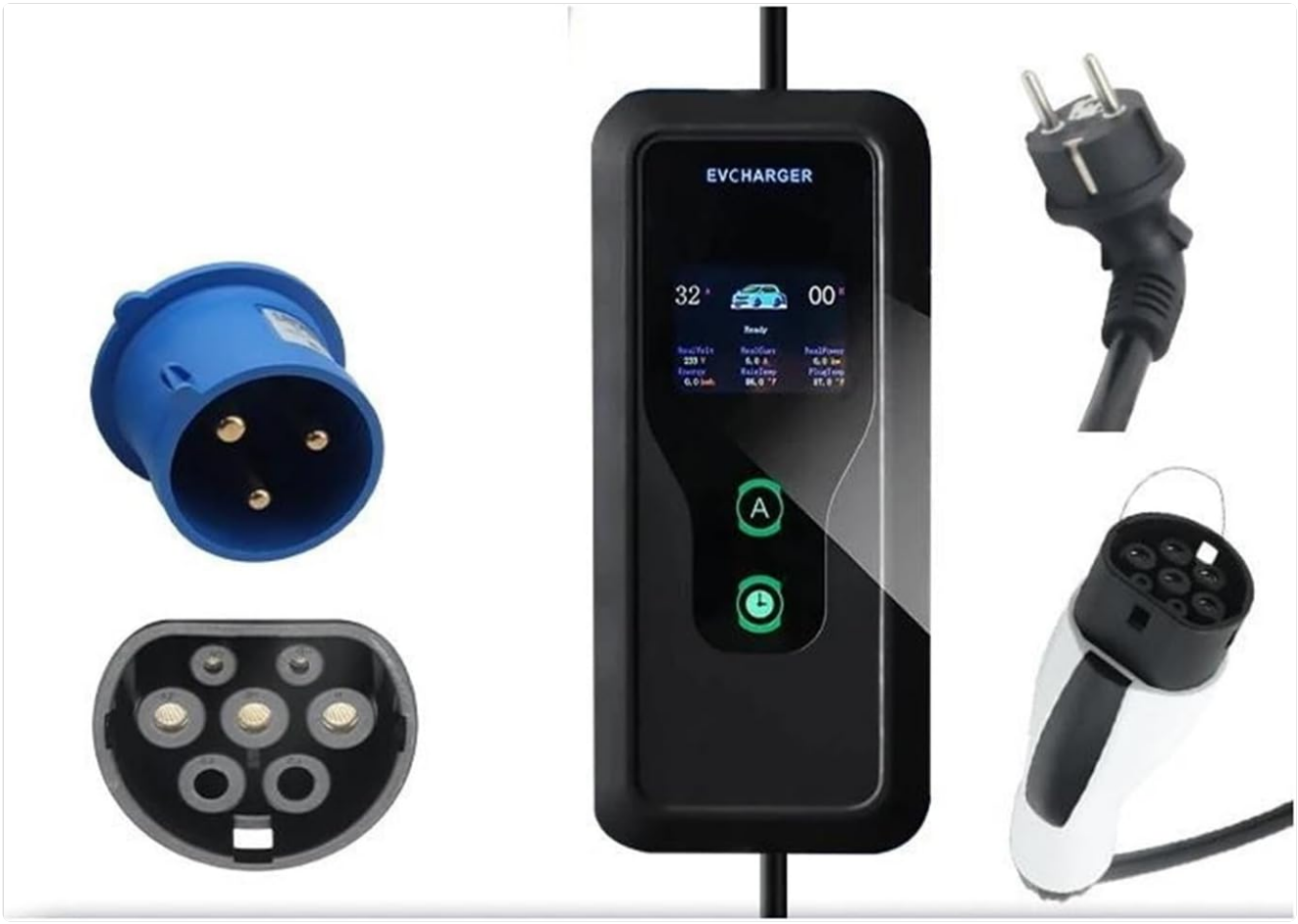

Figure 3.1: Overview of the EQBVZZRD Portable EV Charger, showing the control box, EU plug, and Type 2 vehicle connector.

4. Product Overview and Features

The EQBVZZRD Portable EV Charger is a robust and versatile charging solution. Key features include:

- **Portable Design:** Easy to transport and use at various locations.
- **Adjustable Current:** Supports multiple current settings (e.g., 16A, 20A, 24A, 32A) to match different power sources and charging needs.
- **Delay Start Function:** Allows scheduling charging sessions, ideal for utilizing off-peak electricity rates.
- **Advanced Safety Protections:** Includes over current, over voltage, under voltage, missing diode, ground fault, and over temperature protections.
- **Durable Construction:** Features IP67 water resistance and fire-resistant thermoplastic materials for enhanced durability and safety.
- **Universal Compatibility:** Compatible with vehicles using the IEC62196 Type 2 charging standard.

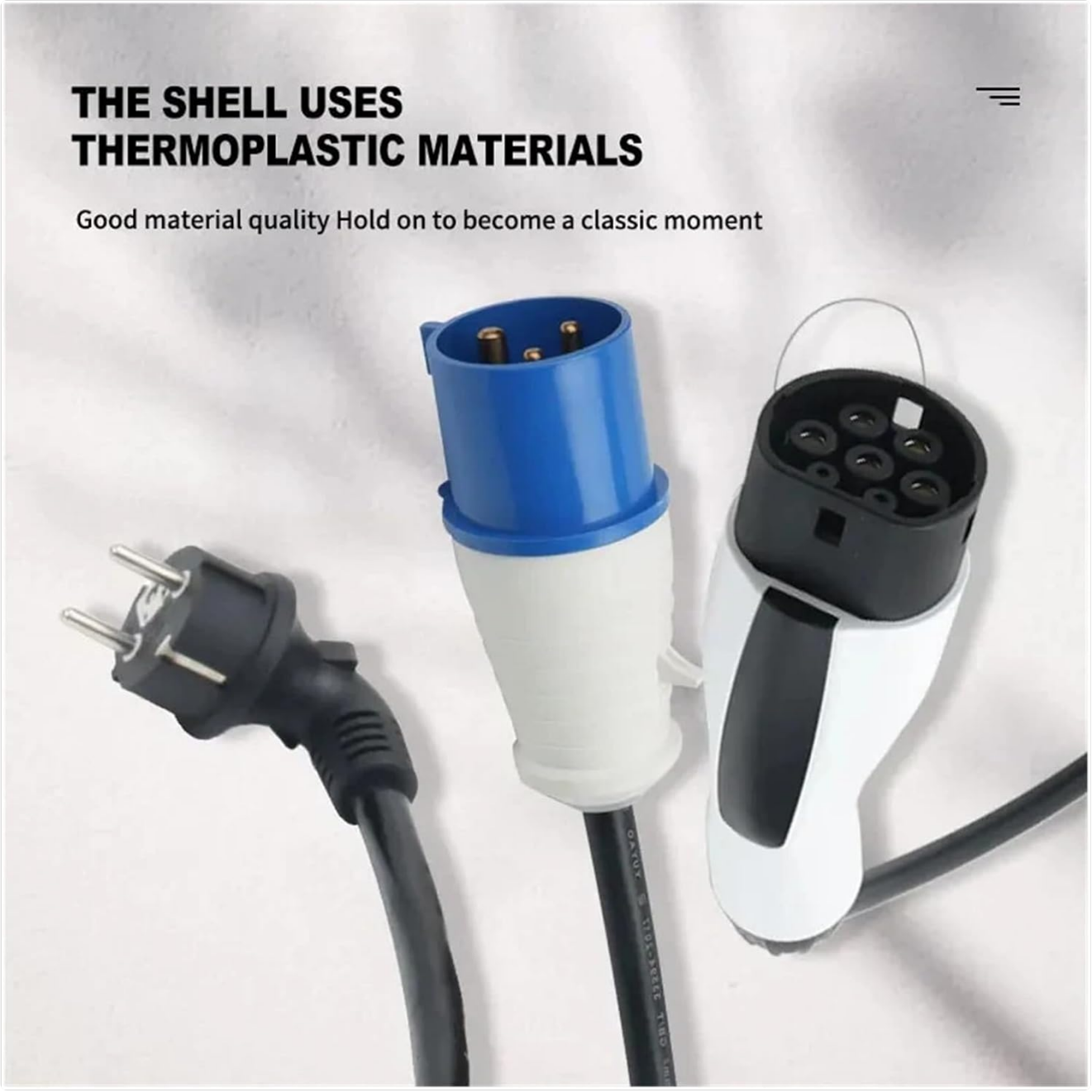

Figure 4.1: Illustration of the durable thermoplastic materials used in the charger's construction, ensuring longevity and safety.

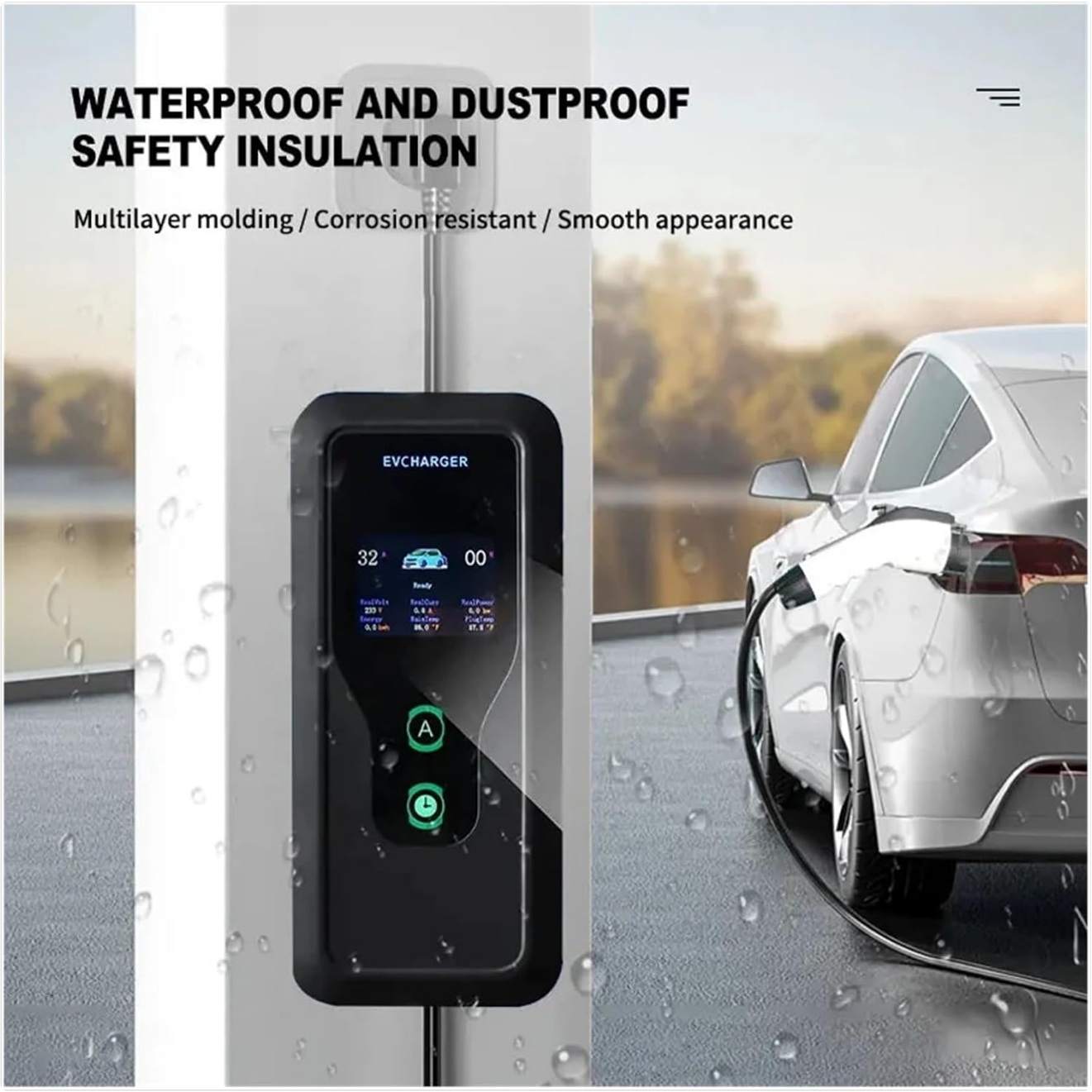

Figure 4.2: The charger's design emphasizes waterproof and dustproof safety insulation, suitable for outdoor use.

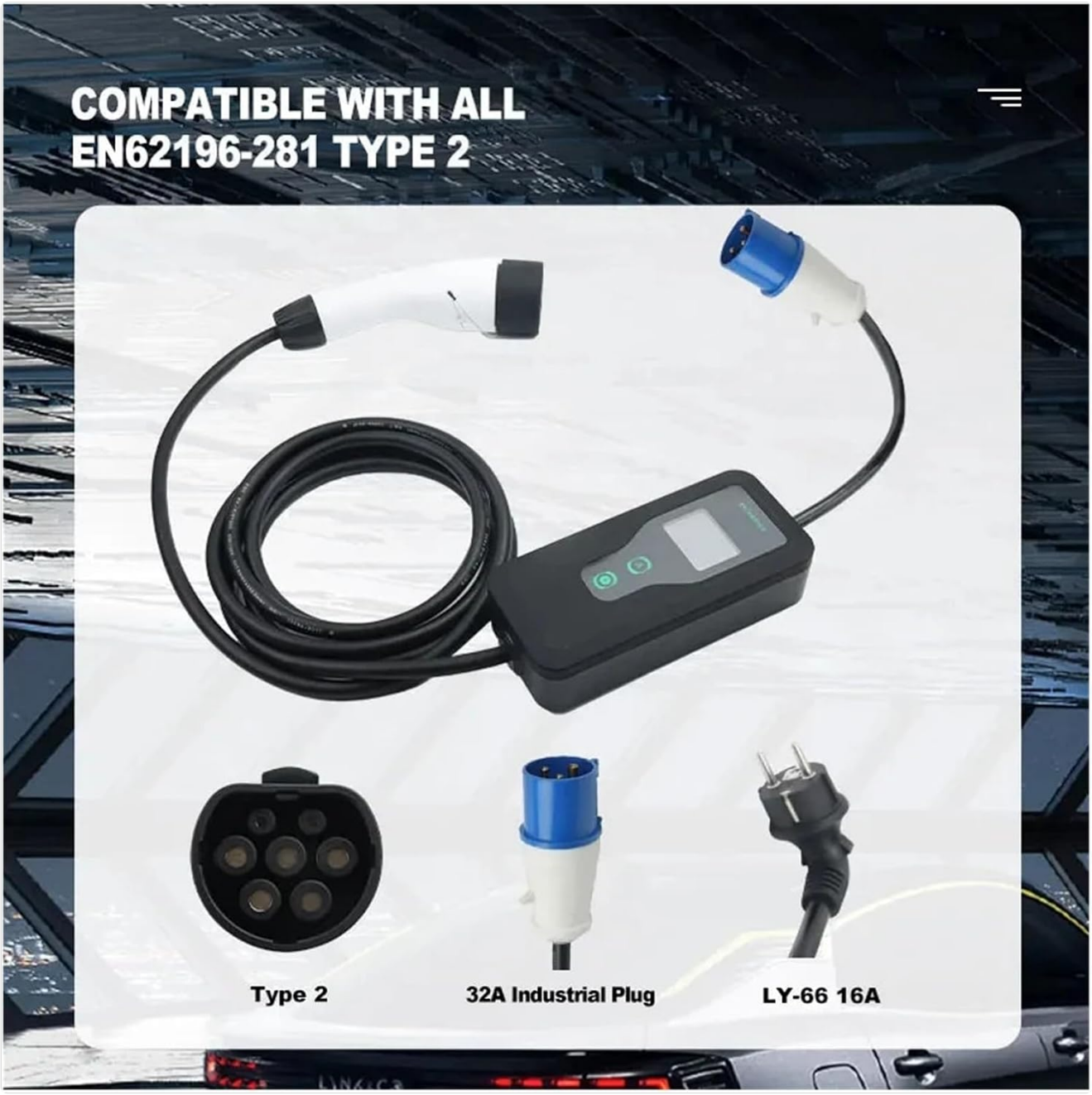

Figure 4.3: The charger is compatible with EN62196-281 Type 2 vehicles and features a 32A Industrial Plug and LY-66 16A plug for power input.

5. Setup

1. **Choose a Location:** Select a dry, well-ventilated area for charging. While the charger is water-resistant, protecting it from direct heavy rain or standing water is recommended for longevity.
2. **Inspect the Charger:** Before plugging in, visually inspect the entire charging cable, control box, and connectors for any signs of damage, fraying, or corrosion. Do not proceed if damage is found.
3. **Connect to Power Outlet:** Insert the EU plug (or appropriate adapter if necessary) firmly into a compatible, grounded electrical outlet. Ensure the outlet can provide the required current for your desired charging speed.
4. **Prepare Vehicle:** Ensure your electric vehicle is turned off and the charging port is clean and free of debris.

6. Operating Instructions

6.1. Basic Charging Procedure

1. After connecting the charger to the power outlet, the control box display will illuminate, indicating it is ready.
2. Insert the Type 2 connector firmly into your vehicle's charging port. You should hear a click, indicating it is locked in place.
3. The charger will automatically begin charging at the default or previously set current. The display will show charging status, current, voltage, and energy transferred.
4. To stop charging, first unlock the vehicle's charging port (if applicable), then disconnect the Type 2 connector from the vehicle. Finally, unplug the charger from the wall outlet.

6.2. Adjusting Charging Current

The charger allows you to adjust the charging current to suit your needs or the capacity of your electrical circuit. Available current settings typically include 16A, 20A, 24A, and 32A.

1. While the charger is connected to the power outlet (but not necessarily to the vehicle), locate the "A" button on the control box.
2. Press the "A" button repeatedly to cycle through the available current settings. The display will show the selected current.
3. Once your desired current is displayed, stop pressing the button. The setting will be saved.

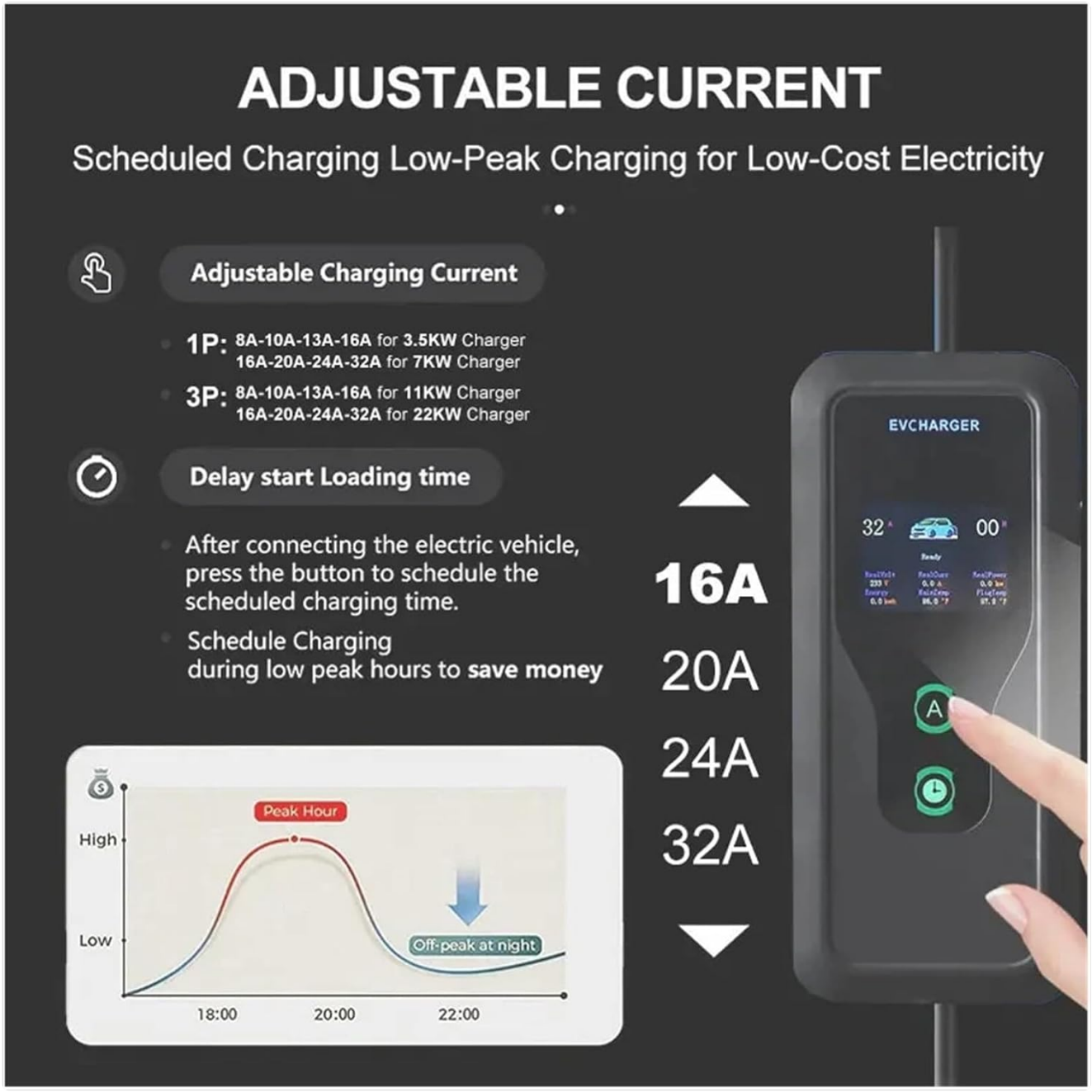

Figure 6.1: The control box display showing adjustable current options and the delay start function.

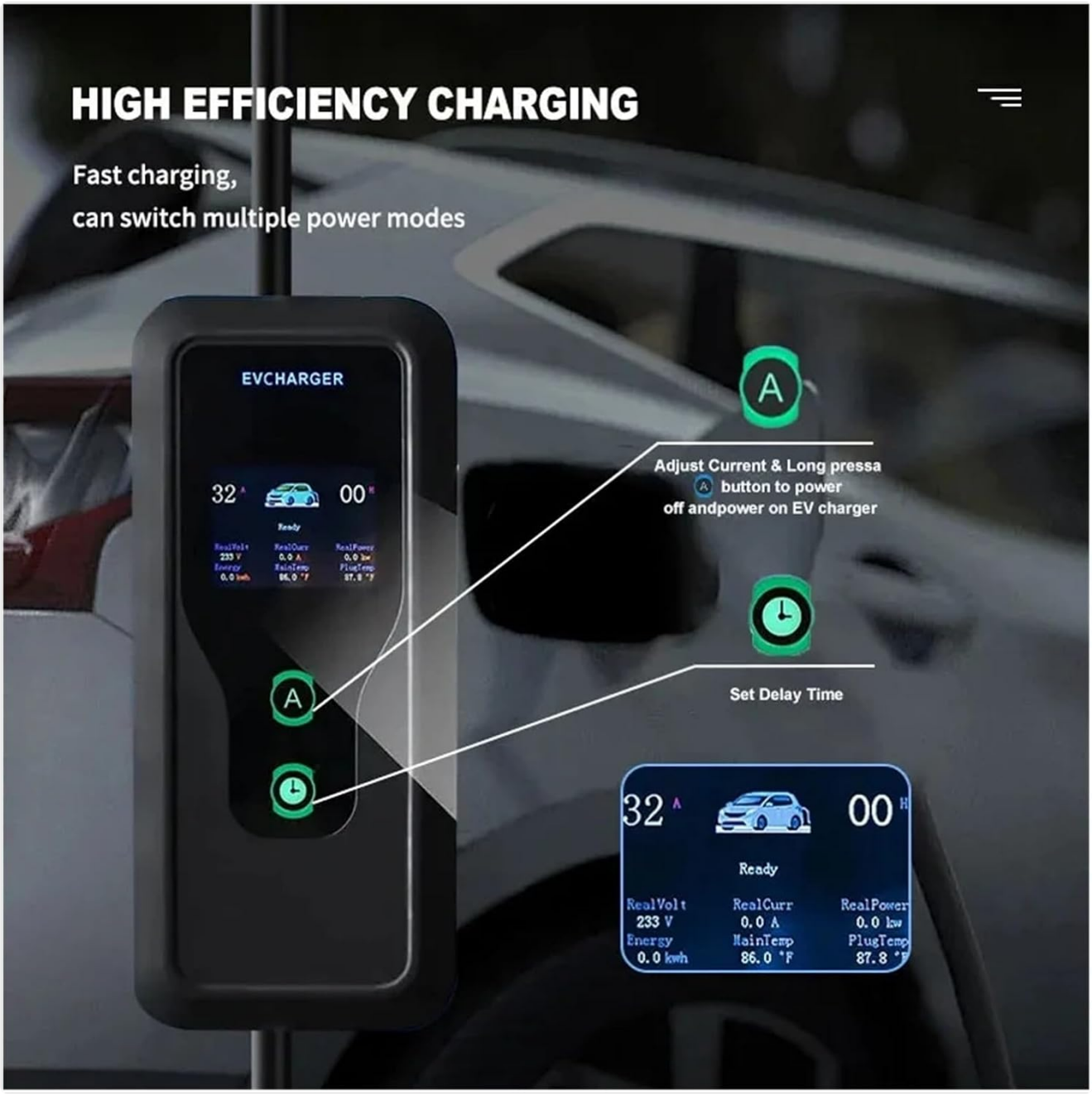

Figure 6.2: Detailed view of the charger's display and buttons for adjusting current and setting delay time.

6.3. Using the Delay Start Function

The delay start function allows you to schedule charging to begin at a later time, which can be useful for taking advantage of off-peak electricity rates.

1. Connect the charger to the power outlet and then to your electric vehicle.
2. Locate the clock icon button (often labeled with a timer symbol) on the control box.
3. Press this button repeatedly to set the desired delay time (e.g., 1 hour, 2 hours, etc.). The display will show the set delay.
4. Once the delay time is set, the charger will enter standby mode and begin charging automatically after the specified delay has elapsed.

7. Maintenance

Proper maintenance ensures the longevity and safe operation of your EV charger:

- **Cleaning:** Disconnect the charger from both the power outlet and the vehicle before cleaning. Use a soft, damp cloth to wipe down the control box and cables. Do not use harsh chemicals or abrasive cleaners.
- **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:** Regularly inspect the cable, plugs, and control box for any signs of wear, cuts, cracks, or discoloration. If any damage is observed, discontinue use immediately and contact customer support.

8. Troubleshooting

Problem	Possible Cause	Solution
Charger not turning on/display off.	No power from outlet; charger not fully plugged in; internal fault.	Check the power outlet with another device. Ensure the charger's plug is fully inserted. If problem persists, contact support.
Charging not starting.	Vehicle not ready for charging; connector not fully inserted; delay timer active; fault detected.	Ensure vehicle is ready to charge. Re-insert the Type 2 connector firmly. Check if delay timer is set. Look for error codes on the display and refer to the vehicle's manual.
Charging stops unexpectedly.	Over-temperature protection; vehicle fault; power fluctuation.	Check if the charger or vehicle is overheating. Disconnect and reconnect. If problem persists, consult vehicle manual or contact support.
Display shows an error code.	Specific fault detected (e.g., ground fault, over current).	Note the error code. Disconnect the charger, wait a few minutes, then reconnect. If the error persists, contact customer support with the error code.

9. Specifications

Brand:	EQBVZZRD
Model:	EQBVZZRD Portable EV Charging Cable
Input Plug Type:	EU Plug (IEC62196 compatible, also supports 32A Industrial Plug and LY-66 16A)
Output Connector Type:	IEC62196 Type 2
Adjustable Current:	16A, 20A, 24A, 32A (depending on model variant)
Special Features:	IP67 Water Resistant, Fire Resistant, Over Current Protection, Over Voltage Protection, Under Voltage Protection, Missing Diode Protection, Ground Fault Protection, Over Temperature Protection, Delay Start Function.
Item Weight:	Approximately 2.2 pounds (1 kg)
Country of Origin:	China
Date First Available:	July 15, 2024

10. Warranty and Support

This product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact the manufacturer directly. For technical support, troubleshooting assistance, or warranty claims, please contact EQBVZZRD customer service through their official website or the retailer where the product was purchased.