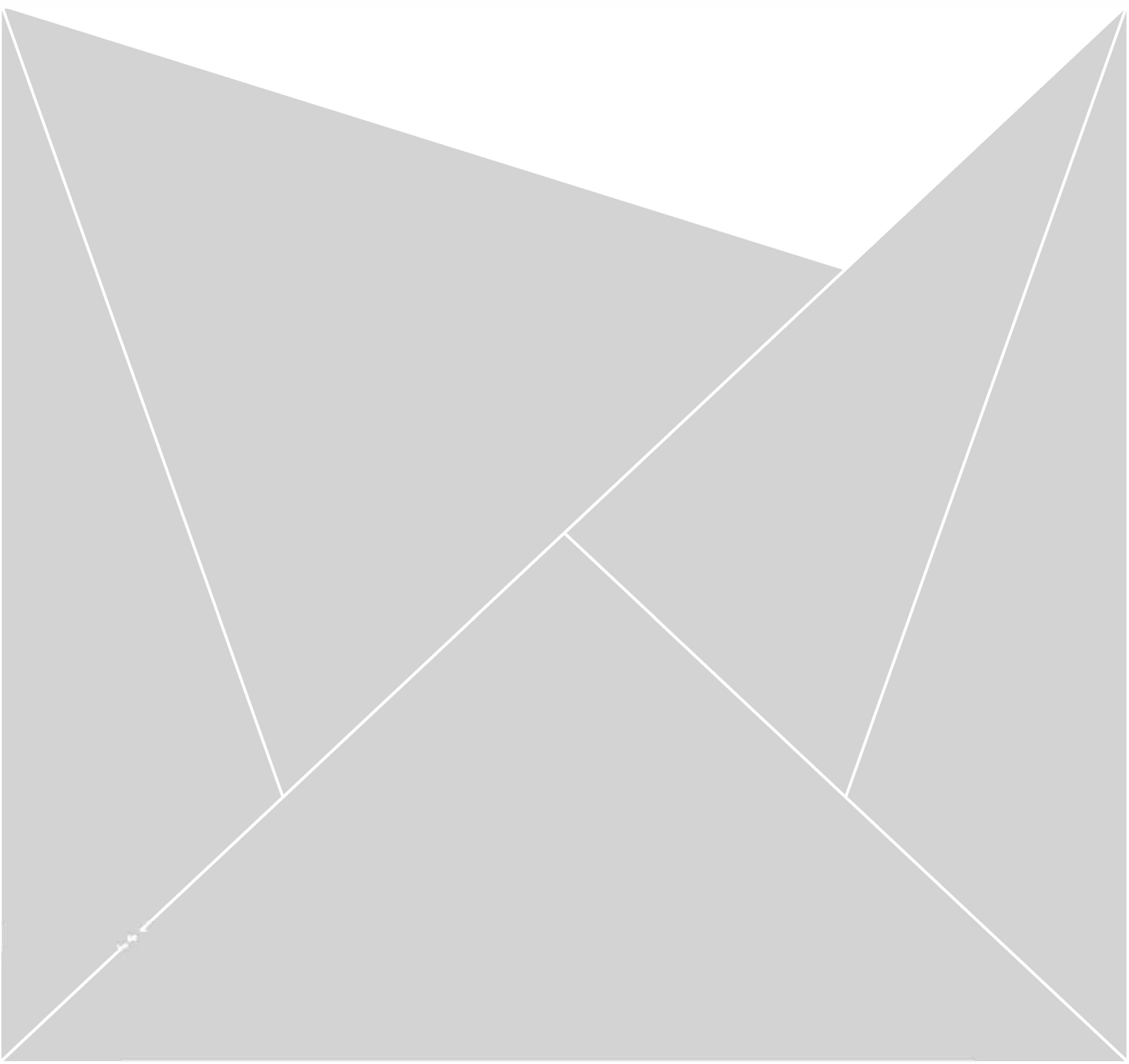


***Qoltec®***



# **INSTRUCTION MANUAL**

**CAR CHARGER EV 2IN1 TY.P 2 3.SKW 230V**

**CAR CHARGER EV 2IN1 TYPE 2 7KW CEE 5 PIN**

**CAR CHARGER EV 2IN1TYP211 KW CEE 5 PIN**

**Model: 52470, 52471, 52475, 52476, 52477, 52478**

## INTRODUCTION

Thank you for your trust and for purchasing our product. We have made every effort and are confident that the product will meet your expectations.

This manual contains important information on safety and operation of the device. If you have any questions after reading this manual, please contact NTEC Ltd.

## SAFETY INFORMATION

- Protect from rain - use in covered areas.
- Do not immerse the control module in water.
- Do not trample, pull, kink or bundle the cable.
- Do not drop the control unit or place heavy loads on it
- When charging, do not place the device near sources of high temperature.
- When charging, do not place the device in a car or in an enclosed space.
- Do not use the device at temperatures above its operating range ad -30 ° C to +50 ° C.

The charger may only be used if the supply network is equipped with a residual current circuit breaker.

- Do not attempt to repair yourself in the event of a breakdown.
- Do not use the device if the cable is damaged.
- The device is designed for charging electric vehicles only.
- Do not use the device with an additional extension cord.
- Do not sneak your fingers into the charging connector.
- If the unit does not work, contact your dealer for repair or replacement.

## PRODUCT DESCRIPTION

Illustration 1

### Control module

Current setting - Current setting

Charging time

Charging time delay setting - Charging time delay setting

Charging state

Charging power

Plug temperature

Charging current

Control module temperature

Charging power

Charging voltage

Charger status indicator	Charger status
Blue light	Electric vehicle not connected
Green light	Loading complete
Coloured light	Loading
Red light	Error
Yellow light	Delayed charging

## FEATURES

### 1. Temperature monitoring

A temperature sensor monitors the operating temperature of the charger in real time. If it exceeds a safe temperature, the charger will stop operation immediately. Once the temperature returns to normal levels, the charger will automatically resume operation.

### 2. Automatic error repair

An intelligent chip automatically corrects common charging errors to ensure stable product operation.

### 3. Security

The product has undergone proper inspection to ensure the highest safety standards while charging for you and your car.

### 4. Robust housing

Made of polycarbonate, the case is strong and reliable, internal strength test

### 5. Current regulation (depending on model)

### 6. Charging start delay: 1h / 2h / 5h / 8h

7. LCD display for charging time, temperature, operating mode
8. Optional wall mounting with bracket (depending on model)
9. 5m cable

## INFORMATION ON USE

- 1 When using 16A charging mode, use an outlet with a current rating of no less than 16A. If you are using a regular 10A socket, adjust the amperage mode to no more than 10A. If the charger is damaged due to the current mode not being adjusted correctly to the power socket, you will not be able to make use of the warranty.
2. do not place flammable materials, explosives, chemicals or other hazardous substances near the appliance.
3. keep the charging connector clean, if it is dirty, wipe it with a clean dry cloth, do not touch the metal pins in the connector with your hand. Make sure the charger is not connected to the power supply or the device.
- (4) Do not use the charger if the cable is damaged, cracked, worn or has an exposed core. If you notice the above abnormalities, contact your dealer.
- 5 Do not attempt to disassemble, repair or upgrade the charger yourself. Improper handling may result in damage to the equipment, loss of leakage, current leakage, etc.
6. in the event of any abnormality during use, immediately cut off the power supply.
- 7 Use the charger under a canopy during precipitation. Protect from rain and snow.
- 8 Children must not use or come close to the device while it is charging due to possible risk of injury.
9. it is strictly forbidden to remove the charging plug from the socket without authorisation during the charging process, due to the risk to vehicle or user safety.
10. vehicles must not move while charging. Charging may only be carried out when the vehicle is stationary. This applies to all vehicle types.

## CHARGING TIPS

1. Ensure that the electrical installation has a type B residual current circuit breaker.
2. Plug the charger into a 230V socket.
3. (Optional) Set the charging delay by pressing the button with the clock icon.
4. Set the desired amperage ("A" button).
5. Connect the charging cable to the vehicle.
6. Monitor progress on the LCD display.
7. When finished, disconnect the device first from the vehicle, then from the socket.

## **HOW TO START CHARGING?**

1. Firmly insert the plug into the mains socket.

Illustration 2

(Ensure that the power socket complies with the national standard and that the current rating is 16 A. )

2. press the [A] button to switch the charging current mode, press the [Clock] button to schedule the charging time delay.

Illustration 3

3. pull the cap lightly and insert the charging plug fully into the vehicle socket

Figure 4

Make sure the charging plug is fully inserted until you hear a click.

4. the device will start charging.

## **CURRENT SETTING**

Press the [A] button -> Switch current mode

1 The mode can be activated by pressing the [A] button when the charger is switched on and no car is connected to it.

2 The 16A unit supports four current modes: 8A, 10A, 13A and 16A.

3 The 32A device supports four current modes: 16A, 20A, 24A and 32A.

## **SETTING THE CHARGING DELAY**

Illustration 5

1. Press [Clock] -> Set time

The mode can be activated by pressing the [Clock] button when the charger is switched on and no car is connected to it.

2. The charging delay time increases by 1 hour when the [Clock] button is pressed once. The maximum delay is 8 hours.

### HOW DO I STOP CHARGING?

1. Press the button and disconnect the charging plug.
  2. Close the vehicle socket cover and attach the protective cap of the charging plug.
  3. Disconnect the plug from the power socket.
  4. Put the charger in the bag.
- \* Some car models lock the charging plug when the power is on (switch off the power before removing the charging plug).

### DESCRIPTION OF THE LCD DISPLAY

- 1 Start-up (Figure 6)
2. car disconnected (Illustration 7)
- 3 Loading (Figure 8)
- 4 Delayed charging (Illustration 9)
- 5 Error (Illustration 10)

In the event of an error (Error A, Error B... Error H) during charging, first familiarise yourself with the possible causes and check the recommended solutions, then contact the NTEC sp. z o.o. service department.

### PROBLEM SOLVING

Error code	Safety features	Recommended solution
Error - A	Thermal overload protection	1 Check that the current mode is correct. (2) Unplug the electric vehicle charging plug and the power plug, then try again after the charger has cooled down. If the error still occurs, contact your dealer.

Error - B	Short circuit protection (CP)	<ol style="list-style-type: none"> <li>1. disconnect the EV charging plug and the power plug, then reconnect the power plug.</li> <li>2. if Error - B does not appear on the LCD screen, there is a CP short circuit on the car side.</li> <li>3. if Error - B still appears on the LCD screen, contact your dealer.</li> </ol>
Error - C	Overvoltage protection	<ol style="list-style-type: none"> <li>1. check whether the supply voltage exceeds the permitted voltage.</li> <li>2. if the voltage at the power plug is too high, wait until the supply voltage returns to normal.</li> <li>3. if the voltage at the power plug is correct, but the charger still displays Error - C, contact your dealer.</li> </ol>
Error - D	Undervoltage protection	<ol style="list-style-type: none"> <li>1. check that the supply voltage is not less than the permitted voltage.</li> <li>2. if the voltage at the power plug is too low, wait until the supply voltage returns to normal.</li> <li>3. if the voltage at the power plug is correct, but the charger still displays Error - D, contact your dealer.</li> </ol>
Error - F	Short-circuit protection	<ol style="list-style-type: none"> <li>1. disconnect the EV charging plug and the power plug, then reconnect the power plug.</li> <li>2. if Error - F does not appear on the LCD screen, there is a short circuit on the car side.</li> <li>3. if Error - F still appears on the LCD screen, contact your dealer.</li> </ol>
Error - G	Leakage protection	<ol style="list-style-type: none"> <li>1. disconnect the EV charging plug and the power plug, then reconnect the power plug.</li> <li>2. if Error - G does not appear on the LCD screen, there is a leakage current on the car side.</li> <li>3. if Error - G still appears on the LCD screen, contact your dealer.</li> </ol>
Error - H	Other	Contact your dealer



## **CONSERVATION**

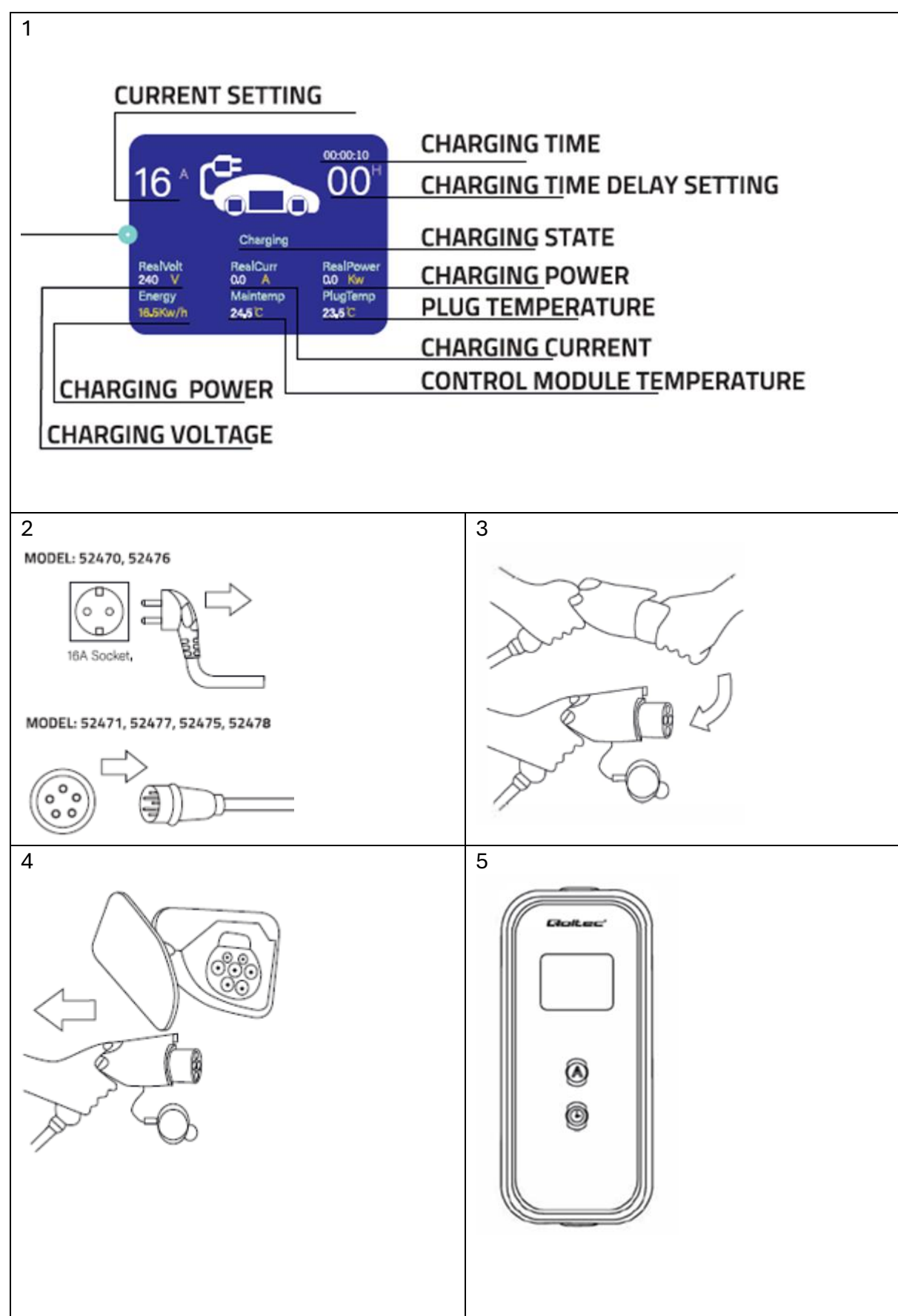
1. Keep the charger clean by using a soft, dry cloth to remove dust and dirt. Do not use chemicals.
2. Regularly check power cables and connectors for damage such as abrasion, cracks or loose connections.
3. Make sure the vents are clean and not blocked to ensure adequate cooling.
4. Avoid contact with water or other liquids to prevent electrical damage.

## **UTILISATION**

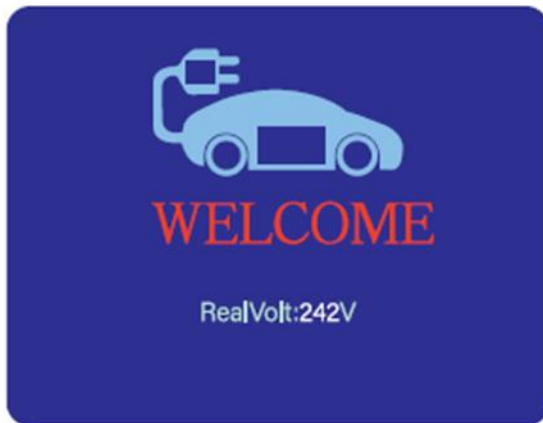
This product is subject to the regulations for the disposal of electrical and electronic equipment (WEEE). Return it to an electro-waste collection point that provides safe recycling in accordance with GPSR standards. Check where the nearest electro-waste collection points are located. If you have any questions about disposal, contact the manufacturer or an authorised service centre.

## **INFORMATION ON WARRANTY AND SERVICING**

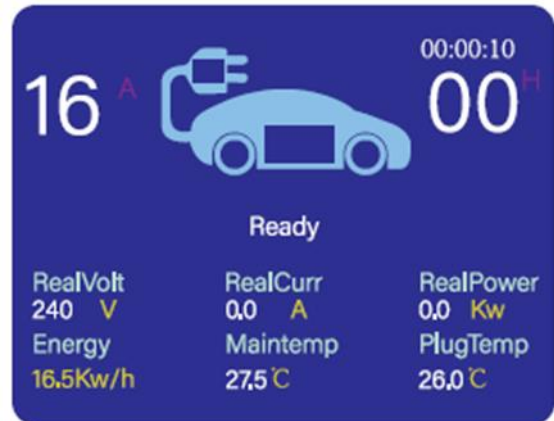
The product is covered by a 24-month manufacturer's warranty from the date of purchase. The warranty covers any defects in materials and workmanship. Please contact our service department if you have any problems with your device to ensure prompt and professional service. The warranty does not cover damage resulting from misuse, falls, mechanical damage, unauthorised repairs or disassembly attempts.



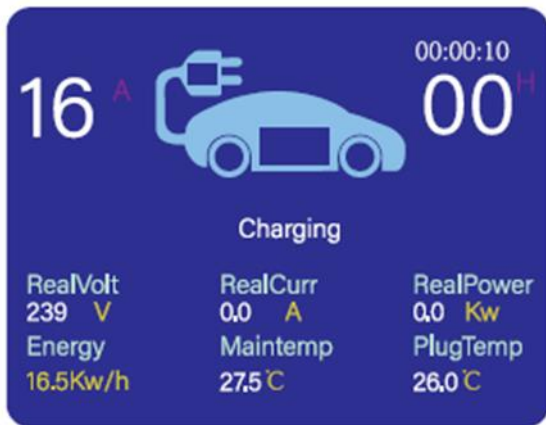
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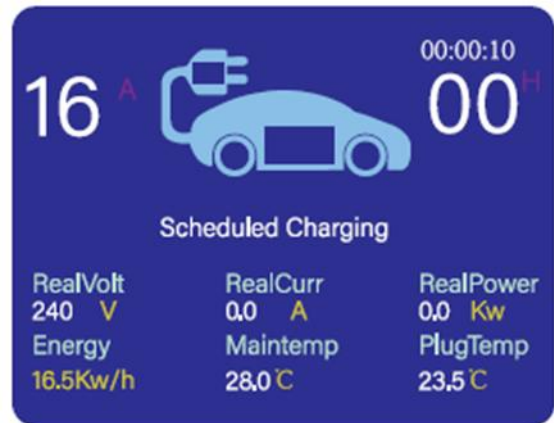
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