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 - > LCLCTEK Type 2 Schuko EV Charger 3.68 kW (8A-16A) - Instruction Manual

LCLCTEK NDCDQ-16A

LCLCTEK Type 2 Schuko EV Charger

Model: NDCDQ-16A

Brand: LCLCTEK

1. INTRODUCTION

The LCLCTEK Type 2 Schuko EV Charger (Model NDCDQ-16A) is designed for convenient and efficient charging of electric vehicles (EVs) and plug-in hybrid electric vehicles (PHEVs) equipped with Type 2 or CCS2 connectors. This manual provides essential information for the safe and proper operation, maintenance, and troubleshooting of your charger.



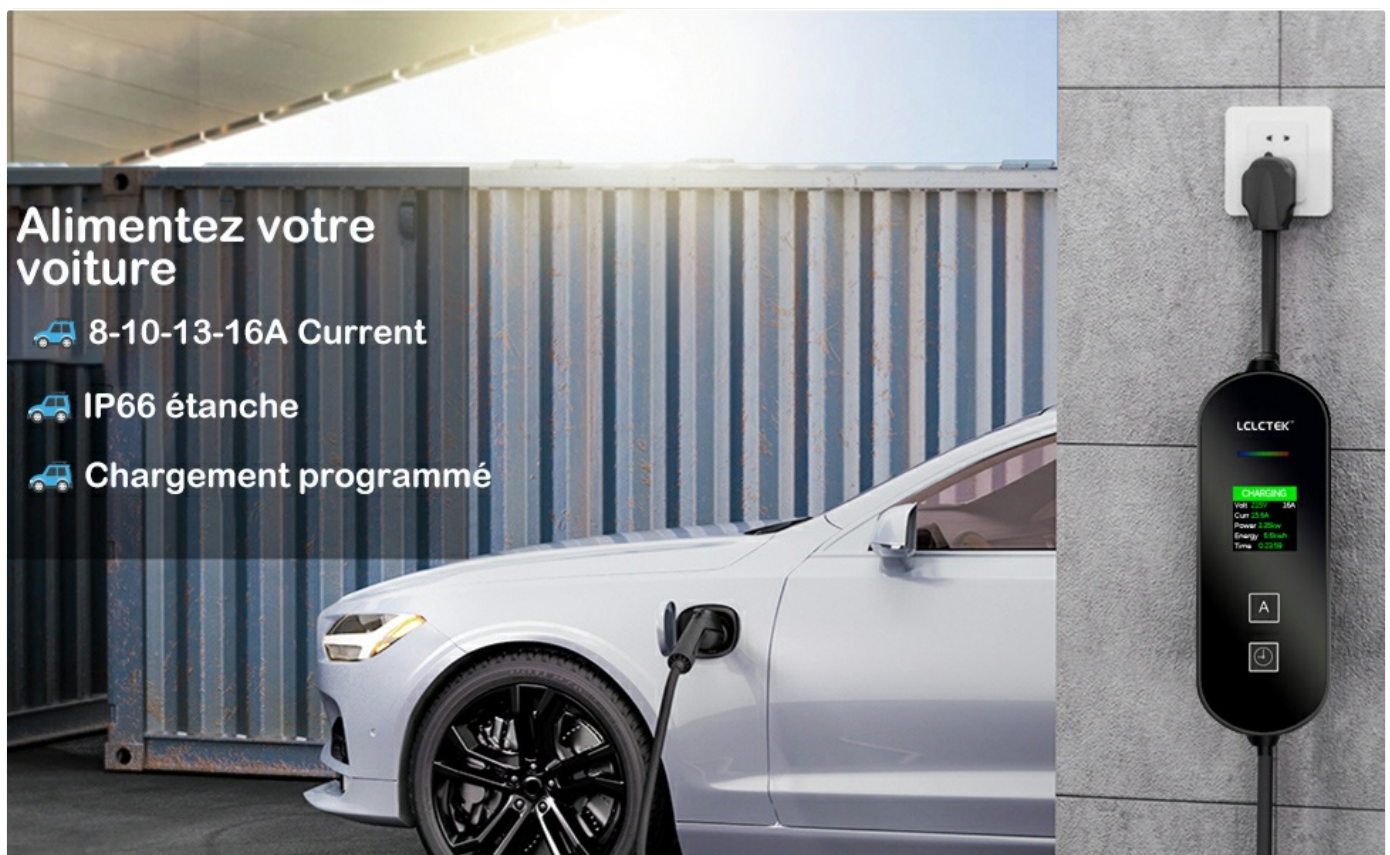
This image displays the complete LCLCTEK Type 2 Schuko EV Charger, including the control unit, Type 2 connector, and Schuko plug.

2. SAFETY INSTRUCTIONS

Please read all safety instructions carefully before using the charger. Failure to do so may result in injury, damage to the product, or property damage.

- **Electrical Safety:** Always connect the charger to a properly grounded electrical outlet. Ensure the outlet is in good condition and rated for the selected current.
- **Current Selection:** The charger allows adjustable current settings (8A, 10A, 13A, 16A).
 - **Critical Warning:** When using a standard household Schuko socket, **never select 13A or 16A**. Exceeding 8A-10A on a standard, non-reinforced socket for extended periods poses a significant risk of overheating and fire.

- Higher current settings (13A, 16A) are exclusively for reinforced sockets or dedicated charging installations that can safely handle the load.
- **Temperature Monitoring:** The charger features built-in temperature protection. If the plug temperature exceeds 75°C, charging will automatically reduce current. If it exceeds 85°C, charging will stop. Charging resumes when the temperature drops below 60°C.
- **Environmental Conditions:** While the charger is IP65 rated for water and dust resistance, avoid submerging it in water. Do not operate in extreme temperatures outside the specified range.
- **Cable Integrity:** Regularly inspect the charging cable and connectors for any signs of damage, cuts, or fraying. Do not use if damaged.
- **Children and Pets:** Keep the charger and cable out of reach of children and pets during operation.
- **Modifications:** Do not attempt to modify or disassemble the charger. This voids the warranty and can lead to safety hazards.



This critical safety image shows the difference between using 16A on a reinforced socket (green check) versus a standard socket (red cross), and similarly for 10A. It emphasizes that 8A-10A-13A-16A settings are available, but higher currents should only be used with appropriate electrical infrastructure to prevent overheating or fire.

3. PRODUCT OVERVIEW

The LCLCTEK Type 2 Schuko EV Charger is a portable charging solution featuring a robust design and intelligent functions.

Key Features

- **Digital Display:** A large, clear screen provides real-time information on charging status, temperature, current settings, and error reports.
- **Adjustable Current:** Easily switch between 8A, 10A, 13A, and 16A to suit your vehicle's needs and the power source's capacity.

- **Scheduled Charging:** Program charging sessions with a delay timer (0-6 hours) or set a limited charging duration (1-24 hours) to take advantage of off-peak electricity rates.
- **Comprehensive Safety:** Equipped with 8 layers of protection, including over-voltage, under-voltage, over-current, leakage, grounding, over-temperature, power cut-off, and data security.
- **Durable Construction:** Features a sturdy plug and thick copper cable for stable and reliable charging. IP65 rated for water and dust resistance, ensuring performance in various environmental conditions.
- **High Compatibility:** CE and TUV certified, compatible with most Type 2 or CCS2 equipped electric and plug-in hybrid vehicles in Europe.

Nine advantages outstanding performance



This diagram illustrates nine key benefits of the charger, including insulating flame retardant materials, color screen display, automatic current interruption, ease of operation, timed control, waterproof and dustproof design, plug-and-play functionality, limited time charging, and accumulable power.

Components

- LCLCTEK Control Unit with Digital Display
- Type 2 Charging Connector
- Schuko Power Plug

- Integrated Charging Cable

4. SETUP

1. **Unpack:** Carefully remove the charger from its packaging.
2. **Inspect:** Check the charger, cable, and connectors for any visible damage. Do not use if damaged.
3. **Power Source:** Identify a suitable, properly grounded Schuko socket. Ensure the socket and electrical circuit can safely handle the desired charging current. Refer to the "Safety Instructions" regarding current selection.
4. **Placement:** Position the control unit in a dry, stable location, away from direct sunlight or extreme temperatures. Ensure the cable can reach your vehicle without being stretched or creating a tripping hazard.

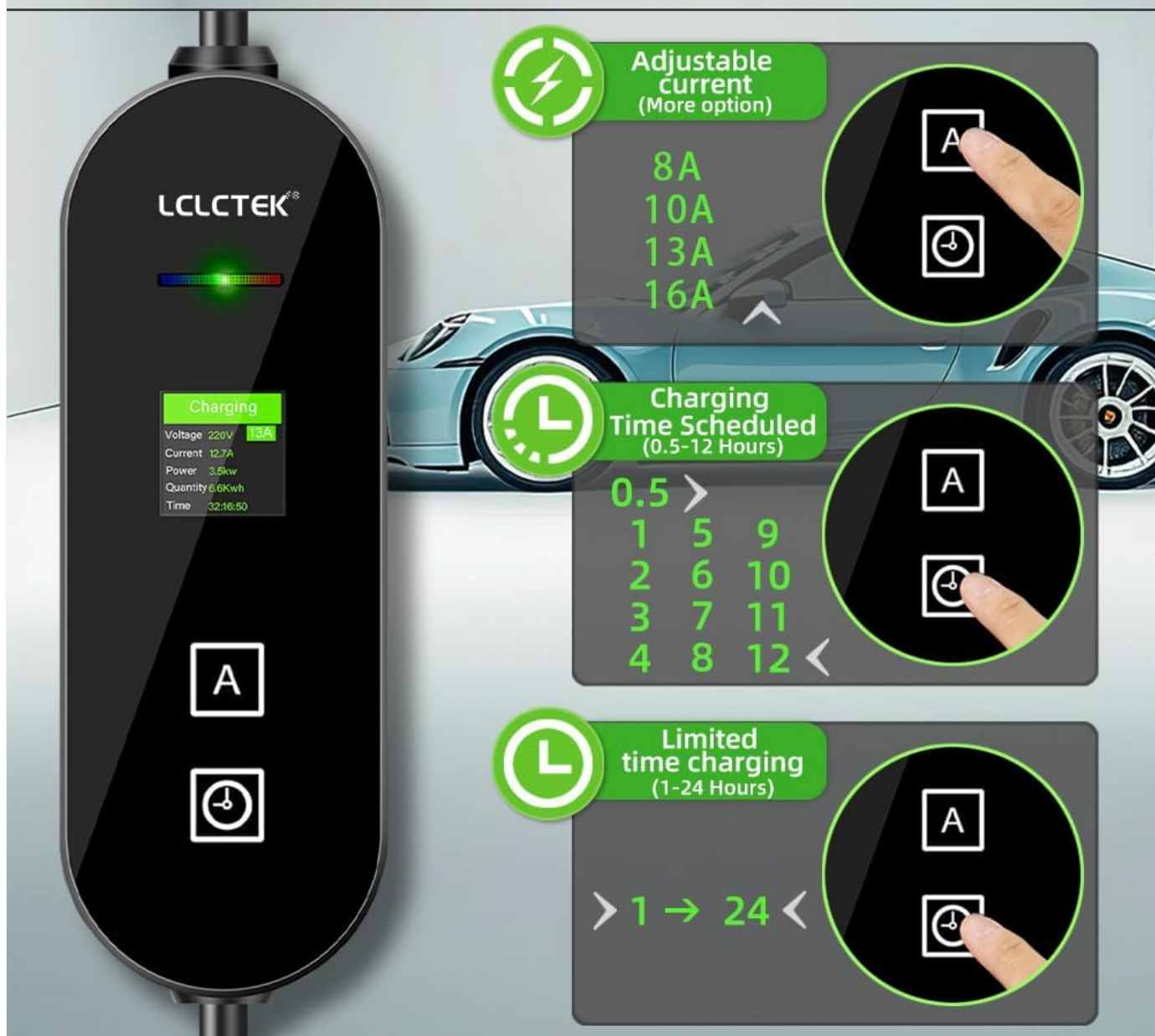


The charger is shown in use, demonstrating its versatility for both home and outdoor charging scenarios.

5. OPERATING INSTRUCTIONS

1. **Connect to Power:** Insert the Schuko plug firmly into the wall socket. The digital display on the control unit will illuminate.
2. **Select Current:** Press the "A" button on the control unit to cycle through the available current settings (8A, 10A, 13A, 16A). Select the appropriate current based on your vehicle's requirements and the capacity of your power outlet. **Refer to Safety Instructions for critical warnings on current selection.**
3. **Set Scheduled Charging (Optional):**
 - Press the clock icon button to enter scheduled charging mode.
 - Use the "A" button to adjust the delay timer (0-6 hours) or limited charging duration (1-24 hours).
 - Confirm your selection.
4. **Connect to Vehicle:** Open your vehicle's charging port and firmly insert the Type 2 connector.
5. **Start Charging:** The charger will automatically initiate charging after a brief self-check. The digital display will show real-time charging data.
6. **Monitor:** Periodically check the digital display for charging status, temperature, and any error messages.
7. **Stop Charging:** To stop charging, first disconnect the Type 2 connector from your vehicle, then unplug the Schuko plug from the wall socket.
8. **Storage:** After use, coil the cable neatly and store the charger in a dry, safe place.

Easy to operate and set up



This image highlights the control unit's interface, illustrating how to adjust charging current (8A, 10A, 13A, 16A) and set scheduled charging times (0.5-12 hours) or limited-time charging (1-24 hours).



This image demonstrates the scheduled charging function, allowing users to set a delay timer (0-6 hours) to charge during off-peak hours, optimizing electricity costs.

Full color dynamic LED Screen

Color ambient light



A close-up of the charger's LED screen, detailing the information displayed: voltage, current, power, energy charged, charging state, and charging time.

6. MAINTENANCE

- **Cleaning:** Wipe the control unit and cable with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure connectors are clean and free of debris.
- **Storage:** Store the charger in a cool, dry place when not in use. Avoid extreme temperatures and direct sunlight.
- **Cable Care:** Do not drive over the cable or subject it to sharp bends or excessive tension.



The image shows the charger connected to a vehicle in a rainy environment, emphasizing its IP65 rating for water and dust resistance.

Reliable charging in any environment



This composite image illustrates the charger's durability and reliable performance across diverse weather conditions, including rain, snow, dust, and heat.

7. TROUBLESHOOTING

• **Charger Not Powering On:**

- Ensure the Schuko plug is fully inserted into a live wall socket.
- Check the household circuit breaker.

• **Charging Not Starting:**

- Verify that the Type 2 connector is fully and correctly inserted into the vehicle's charging port.
- Check the selected current setting. Ensure it is compatible with your power outlet and vehicle.
- Look for error messages on the digital display.

• **Charging Interrupted:**

- Check the digital display for temperature warnings (over 75°C or 85°C). Allow the unit to cool down.
- Inspect the cable and connectors for damage.

- Ensure the power supply is stable.

- **Error Messages:** The digital display will show specific error codes. Consult the full product manual (if available) or contact customer support with the error code for assistance.

Temperature Control Plug

Safer Charging to Protect Your EV



Exceed 75°C
Downshift charging



Exceed 85°C
Charging Stop



Lower than 60°C
Charging Resume



**Other Plugs
Melt
Destroyed**





This graphic explains the charger's temperature monitoring system: downshift charging if temperature exceeds 75°C, charging stop if it exceeds 85°C, and charging resume below 60°C, preventing plug damage.

8. SPECIFICATIONS

Parameter	Value
Brand	LCLCTEK
Model Number	ND CDQ-16A

Input Voltage	240 Volts AC
Output Voltage	240 Volts
Current Rating	Adjustable 8A, 10A, 13A, 16A
Max Power Output	3.6 kW
Connector Type	Type 2
Power Plug Type	Schuko
Number of Ports	1
Product Dimensions (L x W x H)	Approx. 10 x 15 x 25 cm (Control Unit)
Item Weight	2 Kilograms
IP Rating	IP65 (Control Unit and Charging Gun)
Certifications	CE, TUV
Compatible Vehicles	BEVs and PHEVs with Type 2 or CCS2 connectors

9. COMPATIBILITY NOTES

- This charger is designed for electric vehicles (BEV) and plug-in hybrid vehicles (PHEV) equipped with Type 2 or CCS2 charging connectors, commonly found in Europe.
- **Potential Incompatibilities:** This charger may not be compatible with certain models, including:
 - Renault Zoe
 - Hyundai Ioniq
 - Kia Sportage
- If you encounter compatibility issues, please contact customer support.

10. WARRANTY & SUPPORT

- **Warranty Information:** Please refer to the product packaging or the seller's website for specific warranty terms and conditions.
- **Customer Support:** For technical assistance, troubleshooting, or warranty claims, please contact LCLCTEK customer service through the retailer where the product was purchased.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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