dé deM2C03B6N

dé 3.7kW 6m Type 2 Portable EV Charger User Manual

Model: deM2C03B6N

Introduction

This manual provides essential information for the safe and efficient operation of your dé 3.7kW 6m Type 2 Portable EV Charger. Please read this manual thoroughly before using the product and retain it for future reference.
The dé portable EV charger offers a convenient and flexible solution for charging your electric vehicle. It features adjustable current settings, a timer function, and a clear LCD display for real-time monitoring. Designed for durability and safety, it includes multiple protection mechanisms and is compatible with most Type 2 electric vehicles.



Figure 1: Portable 2-in-1 EV Charger. This image demonstrates the versatility of the charger, suitable for both home use and on-the-go charging.

Safety Information

Always observe the following safety precautions to prevent injury or damage to the product and your vehicle:

- Ensure the charging cable and connectors are free from damage before each use. Do not use if damaged.
- Connect the charger only to a properly grounded electrical outlet.
- Do not immerse the control box or connectors in water.
- Avoid placing the control box in direct sunlight or near heat sources during charging.
- Do not attempt to open, disassemble, or modify the charger.
- Keep children and pets away from the charging area.
- The charger is equipped with multiple safety protections including overcurrent, under/over-voltage, leakage, overheating, ground fault, and short-circuit protection.

- The integrated temperature control sensor pauses charging at 80°C and resumes at 68°C to prevent overheating.



Figure 2: Temperature Control Sensor. This image illustrates the internal temperature control sensor (NTC) and its function to prevent overheating by pausing charging at 80°C and resuming at 68°C.

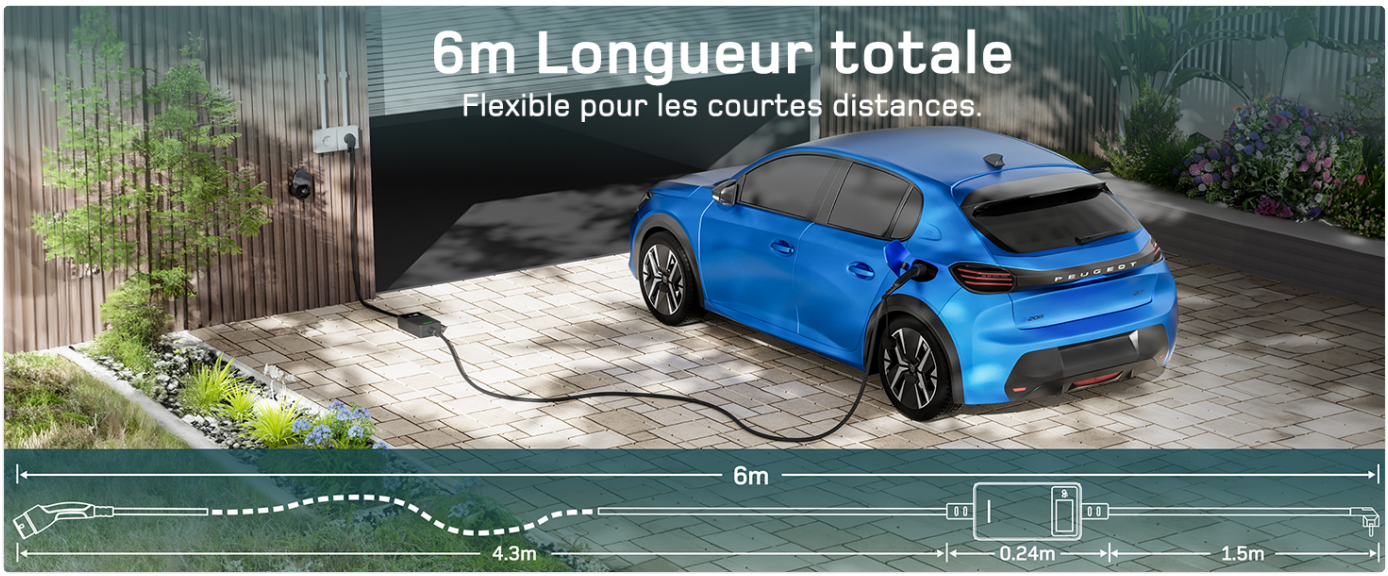


Figure 3: Multiple Protection Functions. This diagram highlights the comprehensive safety features built into the charger, protecting against various electrical faults.

Package Contents

Verify that all items are present in the package:

- dé Portable EV Charger (Type 2, 6m cable)
- Storage Bag
- Microfiber Cloth
- Cable Holder / Plug Support
- Transport Strap



Figure 4: Package Contents. This image displays the dé EV charger along with its included accessories, such as the storage bag, microfiber cloth, and plug support.

Setup Instructions

Follow these steps to set up your dé portable EV charger:

1. **Inspect the Charger:** Before each use, visually inspect the charging cable, control box, and connectors for any signs of damage, wear, or foreign objects. Ensure they are clean and dry.
2. **Connect to Power Outlet:** Insert the Schuko plug into a compatible and properly grounded electrical outlet. For optimal performance and safety, especially when charging at 16A, use a dedicated or reinforced outlet. The charger's control box is positioned 1.5m from the Schuko plug for flexibility.
3. **Adjust Current (Optional):** If desired, adjust the charging current (6A-16A) using the button on the control box. Press once to cycle through current options. Press and hold to set a delayed charging time (0.5-8 hours).
4. **Connect to Vehicle:** Insert the Type 2 connector into your vehicle's charging port. Ensure a secure connection.

5. **Start Charging:** The charging process will begin automatically or according to your programmed delay. The LCD screen will display charging status.

Note: *Current and delay settings cannot be modified after the Type 2 connector is inserted into your vehicle.*

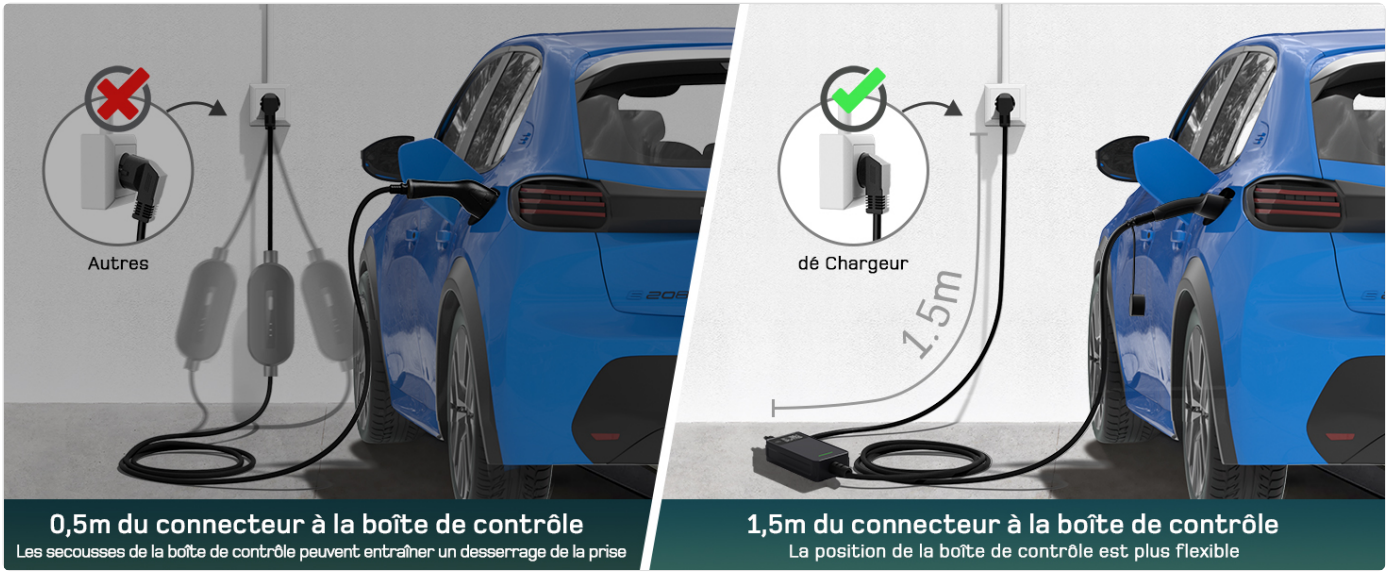


Figure 5: Control Box Placement. This image illustrates the dé charger's design with the control box positioned 1.5 meters from the wall plug, offering greater flexibility and reducing stress on the electrical outlet compared to designs where the control box is closer.



Figure 6: Connection Steps. This image illustrates the three simple steps to connect and begin charging your electric vehicle.



Figure 7: Electrical Outlet Safety. This image advises on selecting appropriate current settings based on the type of electrical outlet used (dedicated vs. non-dedicated).

Operating Instructions

Adjusting Charging Current

The charger allows you to adjust the charging current between 6A and 16A to suit your needs and the capacity of your electrical outlet. This flexibility helps optimize charging time and energy costs.

- Before connecting to the vehicle, press the button on the control box once to cycle through available current settings (6A, 8A, 10A, 13A, 16A).
- The charger has a memory function that remembers your last current setting.



Figure 8: Memory Function. The charger retains your last selected current setting for convenience.

Setting a Delayed Charge (Timer)

You can program a delayed start for charging, which is useful for utilizing off-peak electricity rates.

- Before connecting to the vehicle, press and hold the button on the control box to enter the timer setting mode.
- Adjust the delay time from 0.5 to 8 hours. The charger will automatically start charging after the set delay.



Figure 9: Smart Charging Reservation. This image demonstrates how to use the timer function to schedule charging during off-peak hours for cost savings.

Understanding the LCD Display

The LCD screen provides real-time information about the charging process:

No.	Indicator	Description
①	Real-time Current	Displays the current charging amperage.
②	Real-time Voltage	Shows the current voltage.
③	Charged Energy	Total energy (kWh) delivered to the vehicle.
④	Real-time Power	Current charging power (kW).
⑤	Error Indication	Flashes or displays a code if an error occurs.
⑥	Current Setting	Indicates the selected charging current.
⑦	Programmed Charging Time	Shows the set delay time before charging starts.
⑧	Connection Status	Indicates if the charger is connected to the vehicle.
⑨	Ground Status	Indicates proper grounding.
⑩	Pause	Indicates charging is paused.
	Charging Timer	Displays the elapsed charging time.



Figure 10: LCD Display Information. This image details the various data points shown on the charger's LCD screen during operation.

Maintenance

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

- **Cleaning:** Use a soft, dry cloth to clean the control box and cables. For stubborn dirt, a slightly damp cloth can be used, ensuring the charger is unplugged and completely dry before next use. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, store the charger in its provided storage 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, cracks, or corrosion. If any damage is found, discontinue use and contact customer support.
- **Environmental Conditions:** The charger is designed to operate in temperatures from -25°C to 50°C and is resistant to snow, dust (IP66 for control box, IP54 for Type 2 plug), and heat. However, prolonged exposure to extreme conditions should be minimized.



Figure 11: Environmental Resistance. This image highlights the charger's durability and ability to function across a wide temperature range and in various weather conditions.

Troubleshooting

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

Problem	Possible Cause	Solution
Charger not starting / No power	Power outlet issue, loose connection, charger fault.	◦ Ensure the Schuko plug is fully inserted into a working outlet. ◦ Check if the outlet has power by plugging in another device. ◦ Inspect the cable and connectors for damage. ◦ Try a different outlet if available.
Charging stops unexpectedly	Overheating, vehicle fault, power fluctuation, charger fault.	◦ Check the LCD for error codes. ◦ Allow the charger to cool down if it feels hot (it will resume automatically when safe). ◦ Ensure the vehicle's charging port is clean and free of debris. ◦ Unplug and re-plug the charger.
LCD screen is blank or unresponsive	Power issue, internal fault.	◦ Unplug the charger from the wall and the vehicle, then plug it back in. ◦ If the issue persists, contact customer support.
Error Code "0" displayed	Internal fault, often related to grounding or component failure.	◦ This error code is not detailed in the manual. Please contact customer support immediately for assistance.

If the problem persists after attempting these solutions, please contact dé customer support for further assistance.

SPECIFICATIONS

Feature	Detail
Brand	dé
Model Number	deM2C03B6N
Power Output	Up to 3.7 kW
Input Voltage	230 Volts (AC)
Output Voltage	230 Volts
Adjustable Current	6A, 8A, 10A, 13A, 16A
Connector Type (Vehicle)	Type 2
Connector Type (Wall)	Schuko
Cable Length	6 meters
Charging Time (0-100% PHEV)	3-5 hours (depending on vehicle battery size)
Timer Function	0.5 - 8 hours delay
Operating Temperature	-25°C to 50°C
IP Rating (Control Box)	IP66
IP Rating (Type 2 Plug)	IP54
Certifications	CE, TUV, IEC
Product Dimensions	32P x 32l x 11.3H cm (Control Box)

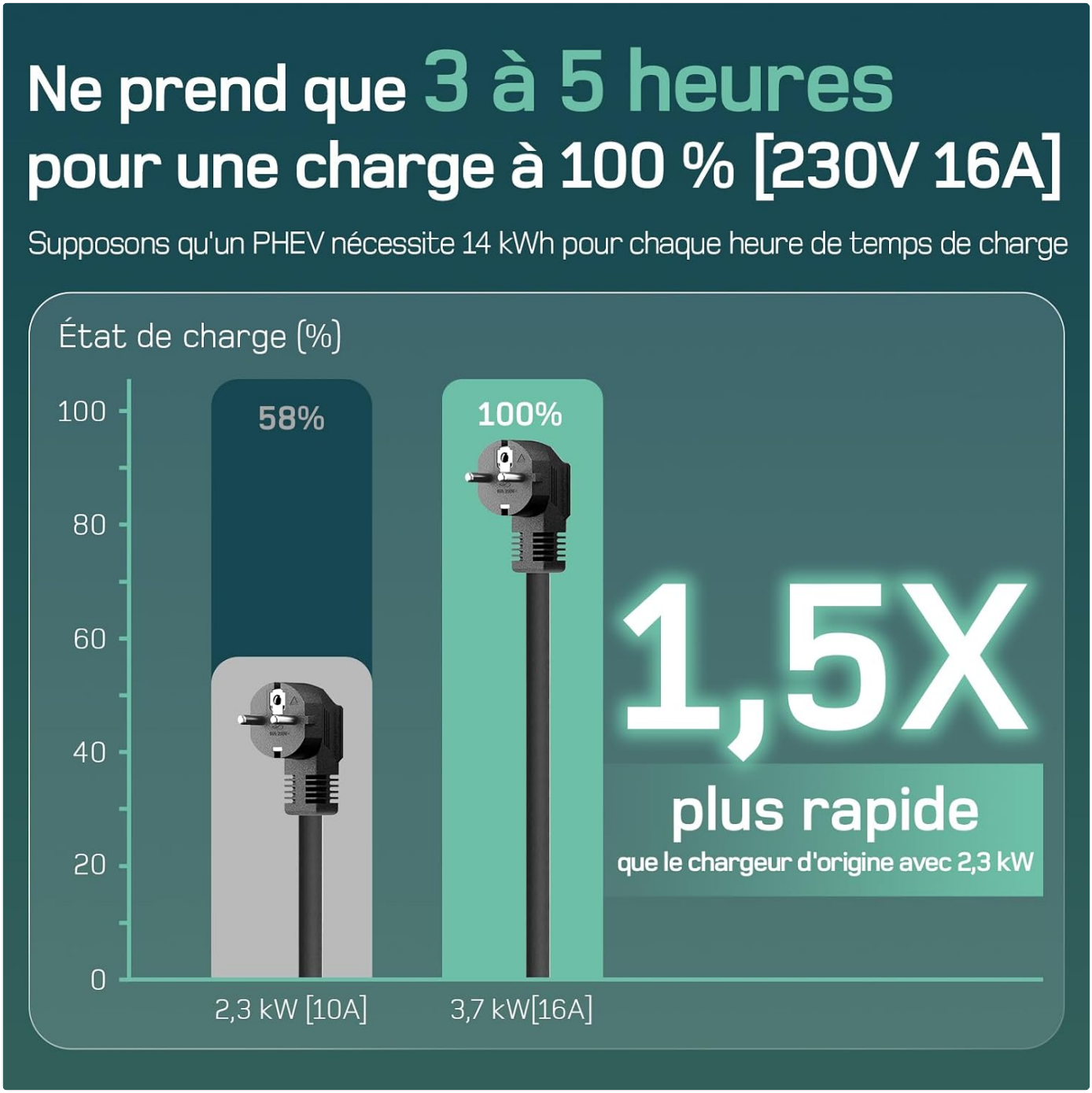


Figure 12: Charging Speed Comparison. This chart illustrates the efficiency of the 3.7kW charger compared to a standard 2.3kW charger.

Compatibility

The dé 3.7kW Type 2 Portable EV Charger is universally compatible with most Electric Vehicles (EVs) and Plug-in Hybrid Electric Vehicles (PHEVs) equipped with a Type 2 charging port, conforming to IEC 62196-2 standards. This includes, but is not limited to, models such as:

- Tesla (Model Y/3/X/S)
- Audi (Q3/Q4/Q5/E-Tron/...)
- Volvo (XC40/XC60/XC90/...)
- Renault (Twingo/Zoe/Kangoo/...)
- Fiat (500e/600e/...)
- Smart (Fortwo/Forfour/...)

- Dacia (Spring/...)
- Volkswagen (ID.3/ID.4/ID.5/...)
- BMW (iX1/iX3/iX/i4)
- Other BEV/PHEV models like Peugeot E-208, Mégane E-Tech, Kia EV6/Niro, Hyundai Ioniq 5/Kona, EQA, Ford Kuga/Cupra Formentor/MG MG4.

If you are unsure about your vehicle's compatibility, please contact our support team.



Figure 13: Universal Compatibility. This image displays a range of compatible electric vehicles with the Type 2 charger.

Warranty

The dé 3.7kW 6m Type 2 Portable EV Charger comes with a**2-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use conditions.
The warranty does not cover damage caused by:

- Improper installation or use.
- Unauthorized repairs or modifications.
- Accidents, abuse, or neglect.
- Natural disasters or external causes.

Please retain your proof of purchase for warranty claims.

Customer Support

For any questions, technical assistance, or warranty claims, please do not hesitate to contact our customer support team. We are committed to providing you with the best solution.
Contact information can typically be found on the product packaging, our official website, or through your purchase platform (e.g., Amazon seller contact).

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

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