

cartrend DP 10.1

cartrend Car Charger DP 10.1 Instruction Manual

Model: DP 10.1 | Item Number: 581541

1. INTRODUCTION

Thank you for choosing the cartrend Car Charger DP 10.1. This advanced battery charger is designed for comprehensive and gentle care of various vehicle batteries, including lead-acid, maintenance-free, GEL, EFB, and AGM types. Featuring microprocessor technology, it offers fully automatic diagnostic, rescue, charging, and maintenance functions to optimize battery performance and extend its lifespan. Please read this manual thoroughly before initial use to ensure safe and efficient operation.



2. SAFETY INSTRUCTIONS

- Always ensure the charger is disconnected from the mains power before connecting or disconnecting the battery clamps.
- Connect the red (+) clamp to the positive battery terminal and the black (-) clamp to the negative battery terminal.
- Do not charge frozen or damaged batteries.
- Ensure adequate ventilation during charging to prevent gas accumulation.
- Avoid sparks or open flames near the battery during charging.
- Keep out of reach of children.
- This charger is designed for 6V/12V lead-acid, GEL, EFB, and AGM batteries only. Do not use for other battery types.
- The charger is equipped with protective insulated terminals for safe connection.

3. PRODUCT FEATURES

- **Optimized Charging:** Fully automatic diagnostic, rescue, charging, and maintenance functions for extended battery life.
- **Auto-Start Function:** Automatically resumes charging after a power failure.
- **Gentle Soft Charging:** Effective charging current of 10 A prevents damage to sensitive on-board electronics.
- **User-Friendly:** Compatible with lead-acid, maintenance-free, GEL, EFB, and AGM batteries without requiring removal from the vehicle.
- **Safety Features:** Equipped with protective insulated terminals for secure connection.
- **Versatile Application:** Suitable for cars, motorhomes, motorcycles, boats, and tractors.
- **Clear LCD Display:** Illuminated display shows charging mode, progress, and any error messages.
- **Robust Design:** Rubberized housing shell provides protection for the charger unit.

4. SETUP

Before connecting the charger, ensure your vehicle is turned off and the ignition is switched off. Park the vehicle in a well-ventilated area.

1. **Identify Battery Terminals:** Locate the positive (+) and negative (-) terminals on your vehicle's battery. The positive terminal is usually marked with a plus sign and is often larger.
2. **Connect Red Clamp:** Attach the red (+) insulated clamp securely to the positive (+) battery terminal.
3. **Connect Black Clamp:** Attach the black (-) insulated clamp securely to the negative (-) battery terminal.



Mit schutzisolierten Klemmen

Image 4.1: Securely connecting the protective insulated clamps to the battery terminals.

4. **Connect to Mains Power:** Plug the charger's power cord into a suitable electrical outlet. The charger will automatically begin its diagnostic process.

5. OPERATING INSTRUCTIONS

The cartrend DP 10.1 charger operates automatically, detecting battery type and condition to initiate the appropriate charging cycle.

5.1 Automatic Charging Process

- Once connected to the battery and mains power, the charger will perform a diagnostic check.
- It will then proceed through rescue (if needed), soft charging, bulk charging, absorption, and maintenance phases.
- The illuminated LCD display will show the current mode, charging progress, and battery voltage.

LCD-Display zeigt den Modus, Ladefortschritt und mögliche Fehler an



Image 5.1: The LCD display provides real-time information on charging status and battery voltage.

5.2 Auto-Start Function

In the event of a power outage, the charger's auto-start function will automatically resume the charging process from where it left off once power is restored. This ensures continuous battery care without manual intervention.

5.3 Disconnecting the Charger

1. Disconnect the charger from the mains power outlet first.
2. Remove the black (-) clamp from the negative battery terminal.
3. Remove the red (+) clamp from the positive battery terminal.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your cartrend Car Charger DP 10.1.

- **Cleaning:** Wipe the charger unit with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the unit is disconnected from power before cleaning.
- **Cable Inspection:** Periodically check the charging cables and clamps for any signs of damage, fraying, or corrosion.

Replace if necessary.

- Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures. Ensure cables are neatly coiled to prevent damage.

7. TROUBLESHOOTING

If you encounter issues with your cartrend Car Charger, refer to the following common troubleshooting steps:

- Charger Not Turning On:** Ensure the power cord is securely plugged into a working electrical outlet. Check the mains power supply.
- No Charging Indication:** Verify that the battery clamps are correctly and securely connected to the battery terminals (red to positive, black to negative). Ensure the battery is not severely discharged or damaged.
- Error Message on LCD:** The LCD display will show specific error codes or symbols if a problem is detected. Refer to the charger's internal logic for interpretation (e.g., reverse polarity, short circuit, battery fault). Disconnect and reconnect the charger to reset.
- Slow Charging:** Ensure the charger is operating in the correct mode (automatic detection should handle this). Check for any resistance in the connections.
- Overheating:** If the charger feels excessively hot, disconnect it immediately and allow it to cool. Ensure adequate ventilation around the unit.

If the problem persists after following these steps, please contact cartrend customer support.

8. SPECIFICATIONS

Brand	cartrend
Model	Ladegerät DP 10.1
Item Model Number	581541
Product Dimensions	10 x 11.2 x 29 cm
Item Weight	802 g
Material	Plastic
Colour	Black
Effective Charging Current	10 A
Battery Types Supported	Lead-acid, Maintenance-free, GEL, EFB, AGM (6V/12V)

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official cartrend website. Keep your proof of purchase for warranty claims.