

## OSRAM OPC10A05

# OSRAM BATTERYcharge 5PIN Portable Electric Vehicle Charging Cable User Manual

Model: OPC10A05

## 1. INTRODUCTION

The OSRAM BATTERYcharge 5PIN portable charging cable is designed for convenient charging of electric vehicles (EVs) and plug-in hybrid vehicles (PHEVs) equipped with a Type 1 connection. This cable allows charging from a standard 2-pin 230V Schuko socket, making it suitable for use at home or on the go. This manual provides essential information for safe and effective use of your charging cable.



Image: The OSRAM BATTERYcharge 5PIN portable EV charging cable, displaying its main components: the Type 1 vehicle connector, the central control box, and the Schuko plug for wall outlets.

## 2. SAFETY INSTRUCTIONS

Read all safety instructions carefully before using the charging cable. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Do not use** the cable if it is damaged, frayed, or shows any signs of wear.
- **Do not use** the cable in wet conditions or immerse it in water. The cable and connectors are rated IP65 for dust and splash protection, but are not designed for submersion.
- **Ensure the power outlet** is properly grounded and rated for the required voltage and current.
- **Do not force** the connectors into the vehicle or wall socket.
- **Keep children and pets away** from the charging area during operation.
- **Always disconnect** the cable from the vehicle first, then from the wall socket.

- **Avoid using extension cords** or adapters with the charging cable.
- **Do not attempt to repair** or modify the charging cable. Contact qualified personnel for service.

### 3. PRODUCT OVERVIEW

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The OSRAM BATTERYcharge 5PIN cable consists of three main components:

1. **Type 1 Vehicle Connector (SAE J1772):** Connects to your electric vehicle's charging port.
2. **Control Box:** Contains the charging electronics and indicators.
3. **Schuko Plug (IEC TR 60083):** Connects to a standard 230V wall socket.





Image: A detailed view of the Type 1 vehicle connector and the Schuko plug, highlighting their design and connection points.



Image: A close-up of the charging cable's control box, showing its display and indicator lights for charging status.

## 4. SETUP

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Before charging, ensure your vehicle is parked in a safe, well-ventilated area and turned off.

1. **Unpack the cable:** Remove the charging cable from its storage bag.
2. **Inspect the cable:** Visually check the entire cable, connectors, and control box for any damage. Do not use if damaged.
3. **Connect to power outlet:** Insert the Schuko plug firmly into a standard 230V, properly grounded wall socket. The control box will power on.
4. **Prepare vehicle:** Open your vehicle's charging port cover.





Image: An electric car is parked, with the charging cable extending from its charging port to a wall socket, illustrating a typical setup.

## 5. OPERATING INSTRUCTIONS

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Follow these steps to charge your electric vehicle:

1. **Connect to vehicle:** Insert the Type 1 vehicle connector firmly into your vehicle's charging port. Ensure it clicks into place.
2. **Initiate charging:** The control box will automatically detect the vehicle and begin the charging process. The indicators on the control box will show the charging status.
3. **Monitor charging:** Observe the control box indicators and your vehicle's dashboard for charging status.
4. **End charging:** Once charging is complete, or if you need to stop charging, first disconnect the Type 1 connector from the vehicle. Most vehicles require unlocking the charging port via the car's key fob or interior button before removal.
5. **Disconnect from power:** After disconnecting from the vehicle, unplug the Schuko plug from the wall socket.



Image: A hand holds the Type 1 connector, preparing to insert it into the electric vehicle's charging port.



Image: The Type 1 connector is securely plugged into the vehicle's charging port, indicating a successful connection.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your charging cable.

- **Cleaning:** Wipe the cable and connectors with a dry or slightly damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure connectors are dry before use.
- **Storage:** After use, coil the cable neatly and store it in the provided durable, compact storage bag. Store in a dry, cool place, away from direct sunlight and extreme temperatures.
- **Inspection:** Regularly inspect the cable for any signs of damage, cuts, or fraying. Check the connectors for corrosion or bent pins.
- **Dust Protection:** Utilize the dust protection caps for the connectors when the cable is not in use.



Image: The OSRAM BATTERYcharge 5PIN charging cable neatly stored inside its compact, durable carrying bag.

## 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Charging does not start.	Cable not fully connected; vehicle not ready for charging; power outlet issue; cable damage.	Ensure both ends are securely connected. Check vehicle's charging settings. Test the wall socket with another appliance. Inspect cable for damage.
Control box indicators are off.	No power from the wall socket; cable not plugged in.	Verify the Schuko plug is fully inserted. Check the wall socket's power supply (e.g., circuit breaker).
Charging stops unexpectedly.	Vehicle fault; power interruption; overheating.	Check vehicle's dashboard for error messages. Ensure stable power supply. Allow cable to cool down if it feels hot.
Connector is stuck in vehicle.	Vehicle's locking mechanism engaged.	Refer to your vehicle's manual for unlocking the charging port. Typically, this involves using the key fob or an interior button.

If the problem persists after attempting these solutions, contact OSRAM customer support.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	OPC10A05
Connector Type (Vehicle)	Type 1 (SAE J1772)
Connector Type (Wall)	Schuko (IEC TR 60083)
Input Voltage	230V
Cable Length	5 meters
Ingress Protection (IP) Rating	IP65 (dust and splash resistant)
Impact Resistance (IK) Rating	IK10
Certifications	TÜV, CE
Item Weight	5.76 pounds (approx. 2.61 kg)
Product Dimensions	216.54 x 4.72 x 5.12 inches (approx. 550 x 12 x 13 cm)

## 9. WARRANTY AND SUPPORT

The OSRAM BATTERYcharge 5PIN portable charging cable comes with a **2-year warranty**. For exact conditions and to register your product, please visit [osram.com/am-guarantee](https://osram.com/am-guarantee).  
For technical support, troubleshooting assistance, or warranty claims, please contact OSRAM customer service through their official website or the contact information provided with your product packaging.

