

Qoltec[®]



User manual

Type 2 EV cable for charging electric cars

Model: 52472, 52473, 52474

Introduction

Introduction Thank you for your trust and for purchasing our product. We have made every effort to ensure that this product meets your expectations. This manual contains important information regarding the safety and operation of the device. If you have any questions after reading this manual, please contact NTEC sp. z o.o.

Installation requirements and safety guidelines for the EV Cable

The cable is designed for single-phase charging of electric vehicles. Correct use involves connecting one end to the charging station and the other to the electric vehicle – in accordance with the markings on the plugs.

The manufacturer accepts no liability for the consequences of incorrect installation.

Installation requirements for the EV cable/charger

1. The installation and connection of the charger must be carried out by a qualified electrician. Incorrect installation may result in damage to the device or a risk to life. 2. The EV charger should be connected to a separate, dedicated electrical circuit. It must not be connected to a circuit shared with other high-power devices.
3. In the event of an unstable mains supply, surge protection is essential – failure to use it may result in damage to the charger. It is recommended to install surge protection devices (SPDs) in the power supply system, particularly in areas prone to mains instability, lightning strikes or frequent voltage spikes.
4. Do not use extension leads, splitters, adaptors or uncertified adapters. The charger should only be connected to an installation that complies with local regulations and the device's specifications.
5. Check the terminals in the distribution board, cable connections and the condition of the contacts, and ensure there is no play or signs of overheating.
6. Take into account the risk of voltage drops – if the cable run is too long or the cable cross-section is incorrectly selected, these can cause slower charging, interruptions to the charging session, device errors and excessive heating of the installation.

7. Before installation, verify the power supply network parameters – in particular, that the voltage complies with the charger's requirements, the number of phases, the correct phase sequence and presence of phases, and voltage stability under load; in three-phase installations, additional consideration must be given to the risk of phase imbalance, the loss of one of the phases, and the occurrence of excessively low or high voltage on individual phases.

8. The charger should not be installed in areas at risk of flooding, on damaged or unstable surfaces (walls or posts), near heat sources, or in places where the cable or plug may be exposed to mechanical damage.

The manufacturer/supplier shall not be liable for any malfunction of the device resulting from:

1. the poor condition of the electrical installation,
2. lack of the required safety measures,
3. incorrect earthing,
4. voltage fluctuations outside the permissible range,
5. installation not in accordance with the instructions and local standards.

Safety precautions

1. Protect the device from rain and moisture – use only in covered areas; do not immerse the control module in water.
2. Do not tread on, pull, bend or tie the cable, and do not use the device if the cable is damaged.
3. Do not drop the cable or place heavy objects on it.
4. Do not use the device near sources of high temperature or outside the operating temperature range of -30°C to +55°C.
5. Do not place the device in a car or in a closed, unventilated space whilst charging.
6. The device may only be used in an installation equipped with a residual current device (RCD).
7. Do not insert your fingers or any objects into the charging port.
8. Do not use extension leads or additional adapters.
9. The device is intended solely for charging electric vehicles.

10. In the event of a fault, do not attempt to repair the device yourself – contact your retailer or a service centre.

Product features

The EV cable has been designed for maximum convenience and long-term use.

1. Flexible cable – makes it easy to roll up, store and use, even in low temperatures
2. Ergonomic shape of the plugs (“pistols”) – ensures a secure grip and easy connection
3. Dual-ended design (male and female) – enables a correct and safe connection between the vehicle and the charging station

EV cable connection instructions

1. Connection:

Connect one end of the cable to the charging station or power source.

Connect the other end to the socket in the electric car.

Make sure the connection is secure.

2. Charging:

The charging process will start automatically once the connection is correct.

Monitor the charging status on the vehicle or at the station.

3. Disconnecting:

Stop charging (if required by the vehicle).

Disconnect the cable from the car first, then from the power source.

Technical specifications

Model		52472	52473	52474
Frequency		50Hz		
Output	Current	32A max	16A max	32A max
	Power	7kW	11kW	22kW
Input/output voltage		200–250 V	380–450 V	380–450

				V
Cable conductor cross-section		3 x 6 mm ² + 1 x 0.5 mm ²	5 × 2.5 mm ² + 1 × 0.5 mm ²	5×6 mm ² + 1×0.5 mm ²
Cable diameter		13.5 mm	13.5 mm	16.8 mm
Conditions	Operating temperature	-30°C to +55°C		
	Humidity			
Insulation material		TPU		
Cable length		5m		
Mechanical life		~10,000 connections		
Protection	Overvoltage/undervoltage protection, Temperature protection Overcurrent protection, earth leakage protection Earth fault protection Fire-resistant housing - UL94V-0 Certifications: CE, TUV, UL			
	Ingress protection	IP66		

Maintenance

1. Keep the cable clean by using a soft, dry cloth to remove dust and dirt. Do not use chemicals.
2. Regularly check the power cables and connectors for damage, such as fraying, cracks or loose connections.
3. Ensure that the ventilation openings are clean and unobstructed to ensure adequate cooling.
4. Avoid contact with water or other liquids to prevent electrical damage.

Disposal

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

Warranty and servicing information

The product is covered by a 24-month manufacturer's warranty, effective from the date of purchase. The warranty covers all material and manufacturing defects. Please contact our service department in the event of any problems with the device to ensure prompt and professional assistance. The warranty does not cover damage resulting from misuse, drops, mechanical damage, unauthorised repairs or attempts at disassembly.