

| | |
|--------------------------|---|
| Product code | AK-EC-22 |
| Responsible Entity | Akyga Europe Sp. z o.o., 52-200 Suchy Dwór, Wrocławska 1c, Polska/Poland, contact@akyga.com |
| Product type | Electric Car Accessory |
| Hole for padlock | No |
| Supply voltage | 240-450 V / 50/60 Hz |
| Number of phases | 3 phase |
| Maximum current | 32 A |
| Maximum power | 22 kW |
| Ground wire | Yes |
| Flame resistance | UL94V-0 |
| IP Rating | IP54 |
| OVP | Yes |
| OCP | Yes |
| OPP | Yes |
| OTP | Yes |
| SCP | Yes |
| Cable length | 5 m |
| The cable plug #1 | CEE 5pin (IEC 60309) |
| The cable plug #2 | Type 2 (IEC 62196-2) Female Connector |
| Cable material | Copper |
| Wire gauge | 5 x 6 mm ² + 2 x 0.5 mm ² |
| Isolation material | TPE |
| Material | ABS |
| Product color | Blue |
| Display | Yes |
| MTBF | 10000 h |
| Temperature | -30 / +50 °C |
| Package | Protective bag |
| Product size (L x W x H) | 5000 x 150 x 85 mm |
| Package size (L x W x H) | 380 x 380 x 100 mm |
| Net weight | 4.2 kg |
| Gross weight | 4.44 kg |
| CE compatibility | Yes |
| FCC compatibility | Yes |
| RoHS compatibility | Yes |
| REACH compatibility | Yes |
| Included accessories | AK-AC-02 |
| EAN code | 5906708750085 |
| Warranty | 24 months |



Description

The **Akyga® AK-EC-22** is a **three-phase electric vehicle charger** designed for fast and efficient charging. It features a **5-metre cable** terminated with Type 2 and CEE 5-pin plugs. **The Type 2 connector** is recognised as the European standard for EV charging, ensuring compatibility with most electric cars on the market. **The CEE 5-pin plug** allows charging from 400 V power electrical sockets, which maximises the capacity of the charger.

Charging and Protection Technologies Used

The AK-EC-22 **electric car charger** features **advanced protections** such as OVP, OCP, OPP, OTP, SCP and special **Type B RCD protection**. These features provide protection against excessive current, voltage and overheating of both the charger and the vehicle battery. They also protect against dangerous DC current flows, ensuring safety during each charging session.

Functionality and Control

The centrepiece of the EV charger is the **ControlBox**, which offers adjustable charging current. This is a huge advantage, allowing the user to adapt the charging power to the current energy needs and network conditions. The car charger allows the user to choose from four current settings: **10 A, 16 A, 24 A and 32 A**. This allows the charger to be connected both in the home garage and in more demanding commercial locations. What's more, the built-in **LCD screen** allows monitoring of key charging parameters such as current, wattage, mains voltage, total energy drawn by the device, charger temperature and charging time.

Vehicle Compatibility

The AK-EC-22 electric car charger is compatible with a wide range of EV models, including the Audi A3 e-Tron, BMW i3, BMW i8, Chevrolet Spark, Mercedes B-Class E-Cell, Mercedes S500 PHEV, Mercedes SLS EV, Mercedes Vito E-Cell Van, Porsche Panamera S PHEV, Volkswagen e-Up, Volkswagen e-Golf, Volvo V60 PHEV and many more. It is ideal for owners of a various electric car brands looking for a reliable and efficient charger.

Ideal for the Home

With the ability to charge with a current of 10 A to 32 A and a power output of up to **22 kW**, the AK-EC-22 charger is ideal for users who want to charge their vehicles quickly and efficiently at home using a power outlet in the garage.