Electric Car Accessory

Model: **AK-EC-22**



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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 mm2 + 2 x 0.5 mm2
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

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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-Celi, 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.