LIACC

Smart Charging
Smart Life
NEW ENERGY

CONTENTS

About us

Zhejiang Liya New Energy Co.,Ltd located in the beautiful and fertile East China Sea-Wenzhou Yueqing Economic Development Zone , which is a professional manufacturer and technology innovation company committed to the electric vehicle parts industry.

Mainly engaged in design, manufacturing, sales and other services of AC EV charging station, DC EV charging station, EV charging cable and other new energy vehicle related accessories.

Our company has a perfect quality management system and independent product research and development ability, and passed the ISO9001, IATF16949 quality management system certification, has a professional product research and development team, and equipped with advanced process control and production inspection of a full set of facilities, is one of the domestic well-known charging station production enterprises.

Our products have passed TUV, CB, CE,RoHS and CQC and other domestic and foreign safety certification, products have national utility model and appearance invention patents.

With excellent products and impeccable quality service, we are not only well received domestically, but our products are also exported to Europe, Southeast Asia, Africa, and the Middle East, winning the unanimous favor of customers.

Our company committed to the " leading technology, excellent service, integrity management, continuous improvement " for the purpose, adhere to the "customer first, service first" principle, with customers and the demand of the market as the guidance, through the establishment of "long-term, stability, cooperation and win-win" relationship with customers, to win and maintain customer satisfaction and loyalty, realize the common development of customers and the company.

Quality Assurance

LIACC EV charger implements a strict quality control management process from the procurement and warehousing of raw materials to the production and assembly packaging. From the incoming inspection and warehousing of raw materials, all of our charger has gone through 11 processes, including wire harness processing, circuit board test, circuit board aging test, controller assembly, controller aging test, Electric Vehicle Chargers assembly, Electric Vehicle Chargers test, packaging and ex-factory inspection, ensure that the procedures of each supply chain and section are scientific and sound, and the quality control is in place. through the digital factory, the production can be traced and visualized to ensure the stability of the product.

ISO9001

Patents

CQC

TUV

Research and development capability

All products are fully developed and produced by Liya. Our core R&D team and technical team is led by Dr. Jiang Lei and Professor Li Jinchuan, both of them have high achievements in Electric Vehicle charging industry.
We got almost 50 technicians in our R&D team at the moment, and we do have a plan to enlarge it.

Dr. Jiang Lei

Deputy Director of Electric Vehicle Charging and Replacement Institute,
Shanghai University of Engineering Science,
Lecturer, College of Mechanical and Automotive Engineering, Electric vehicle,
China Electrotechnical Society
Member of Charging System and Test Committee,
Automobile Industry of Zhejiang Province
Expert member of the Trade Union.
Mainly engaged in intelligent charging system, electric steam
Research on intelligent vehicle charger
and battery management system.

Test Equipment For AC EV Charger

Test Equipment For EV Charging Cable

Featured technical

Quick wiring connection

Using professional photovoltaic grade connectors, the conductor material is pure copper, the housing is made of modified PC material, waterproof structure design. The flame retardant grade reaches UL94-V0 and the protection grade is up to IP68, with excellent performance of power load, electrical isolation and environmental resistance.

Built-in Type B RCD

Safety first! According to IEC 61851, it is clearly stipulated that the residual current protection in AC charging equipment shall adopt Type B or Type A+6mA smooth DC RCD, which meets the requirements of IEC 60755-2017. Moreover, the Type B RCD provides protection against smooth DC leakage and high-frequency leakage, which is not available with the Type A+DC 6mA. This is why we chose Type B RCDs as circuit protection devices.

Authorization Control

It is necessary to manage the usage authorization when the EV chargers are installed at public parks. The LIACC EV charger supports RFID technology, and it will prevent others using the EV charger without permission.

Supports OCPP1.6J

The LIACC EV charger supports OCPP1.6J and compatible with most backend serves, it has succeeded to be connected the platforms in EU and Asia.

Tripe Color Status Indication

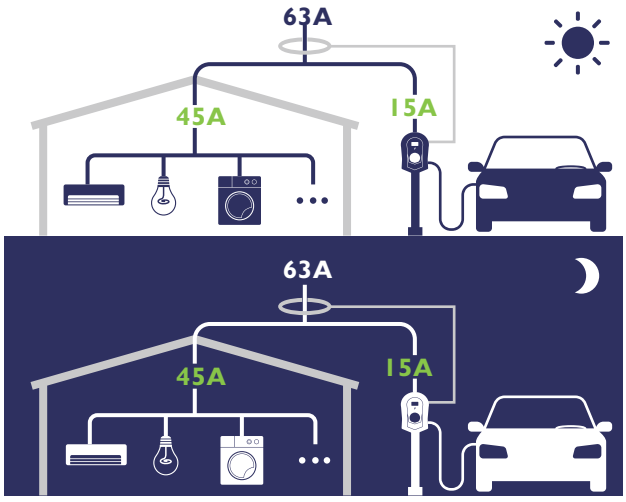
It helps users to easily read and understand the operation status of EV charger. BLUE means standby, GREEN means charging and RED means error.

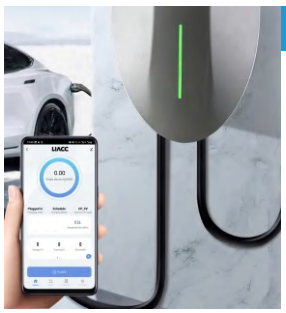
PEN Fail Protection

PEN means PE(grounding) and N(neutral) that is joint under certain circumstance. Occasionally, it can make the neutral line with electricity, thus creating a risk of electric shock in the event of accidental contact with the human body. Our PEN fault protection feature can disconnect all circuits(PE+L+N), and protect users from electric shock hazard.

Dynamic Load Balance

Bases on WiFi and Tuya APP, and by adding an extra smart sensor, the EV charger becomes household power guardian. It is instantly monitor the household power consumption, and reacts by increasing or reducing the charging power, hence, prevent the power overload and circuit breaker tripped unintended.





WiFi & APP

Powered by Tuya, it allows the users to remote monitor and manage the EV charger by mobile APP.
Featured with charge reservation, ON/OFF control, charge current setup, error warning functions etc.

Aegis Wallbox

AC EV Charger Tethered Version

Installation sites:

· Residential areas like apartment and dwellings.
· Parking garage of office building ,hospital ,supermarket , motel etc. for commercial EV charging.
· EV infrastructure operators and service providers.

Features

Control board : Intelligent, security protection, network interconnection
Cable : Flame retardant, anti-low temperature, anti-corrosion, anti-friction, anti-rolling
Plug : Ergonomic design, crush resistance, etc.
Appearance design : Stylish, multiple colors available, car gauge paint, pearl reflective
Easy to install : Lightweight, hook design, quick connection cable, etc.

tuya DLB Dynamic Load Balance OCPP RFID

Specification

Model	EVB-116-TC2	EVB-132-TC2	EVB-316-TC2	EVB-332-TC2
Rated Voltage	1 / N / PE AC 230V		3 / N / PE AC 400V	
Rated Current	16A	32A	16A	32A
Rated Power	3.7kW	7.2kW	11kW	22kW
Frequency	50/60Hz			
HMI	2.8” LCD (optional)			
Connector Type	Type 2 / IEC 62196-2 / Europe Standard			
Cable Length	5m or customizable			
Charging Mode	Plug and charge (RFID, WIFI and OCPP are optional)			
IP Degree	IP55			
Operating Temperature	-20°C ~55°C			
Storage Temperature	-30°C ~75°C			
Protection Function	Over-voltage, under-voltage, over-current, over-temp ,short circuit, leakage, etc.			
Shell Material	Black/White/Blue/Gray/Orange or customizable			
Color	360mm(L)* 193mm (W) *170mm(H)			
Dimension	IEC61851-1:2019			
Compliance Standard	2 years			
Warranty				

Aegis Wallbox

AC EV Charger Socket Version

Installation sites:

· Residential areas like apartment and dwellings.
· Parking garage of office building ,hospital ,supermarket , motel etc. for commercial EV charging.
· EV infrastructure operators and service providers.

Features

Control board : intelligent, security protection, network interconnection.

Appearance design : stylish, multiple colors available, car gauge paint, pearl reflective.

Easy to install : lightweight, hook design, quick connection cable, etc.

tuya

DLB
Dynamic Load Balance

OCPP

RFID





Specification

Model	EVB-116-FC	EVB-132-FC	EVB-316-FC	EVB-332-FC
Rated Voltage	1P+N+PE AC 230V		3P+N+PE AC 400V	
Rated Current	16A	32A	16A	32A
Rated Power	3.7kW	7.2kW	11kW	22kW
Frequency	50/60Hz			
HMI	2.8” LCD (optional)			
Connector Type	Type 2 / IEC 62196-2 / Europe Standard			
Charging Mode	Plug and charge (RFID, WIFI and OCPP are optional)			
IP Degree	IP55			
Operating Temperature	-20°C ~55°C			
Storage Temperature	-30°C ~75°C			
Protection Function	Over-voltage, under-voltage, over-current, over-temp ,short circuit, leakage, etc.			
Color	Black/White/Blue/Gray/Orange or customizable			
Dimension	360mm(L)* 193mm (W) *170mm(H)			
Compliance Standard	IEC61851-1:2019			
Warranty	2 years			

MagiQ Wallbox

AC EV Charger Tethered Version

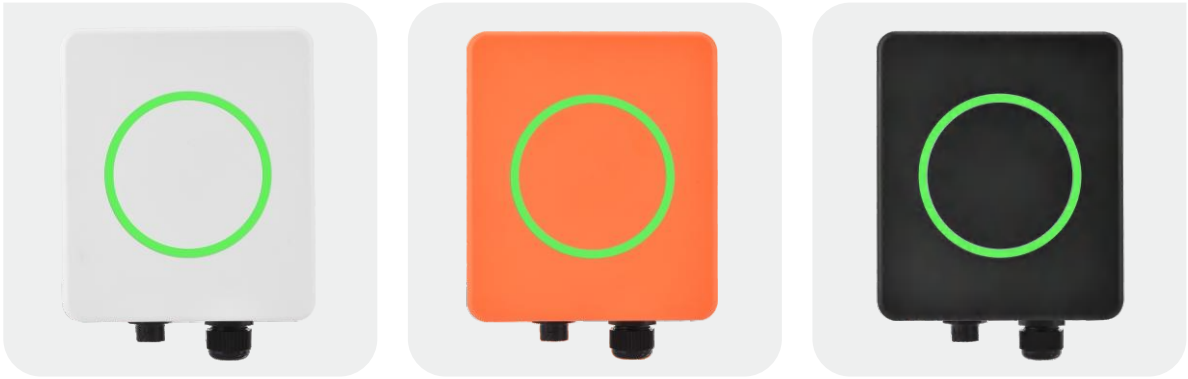
Installation sites:

· Residential areas like apartment and dwellings.
· EV infrastructure operators and service providers.

Features

Simple and generous appearance design and special round LED display light design which can show the charging status.
Multi-function protection to meet the requirements of multiple application scenarios.
IP55/IK10 for indoor and outdoor installation.

RFID



Specification

Model	EVFH-116-TC2	EVFH-132-TC2	EVFH-132-GB01
Dimension(mm)	215mm(L)* 185mm (W) *85mm(H)		
Color	Black, White, Orange		
HMI	No		
AC Power	AC 240V (single phase)		
Rated Current	16A	32A	32A
Charging Power	3.7kW	7.2kW	7.2kW
Connector type	Type2	Type2	GB
Working Condition	Elevation: ≤2000m; Temperature: -20°C~+50°C		
Charging Mode	Plug and charge /RFID		
Protection Function	Overvoltage, undervoltage, overcurrent, short circuit, leakage, etc.		
Cable Length	5m (optional)		
Protection Level	IP55		
Compliance Standard	IEC61851-1:2019, GB/T 18487.1-2015		

Note: for Type 2 version , an external Type B RCD is legally required.

EVE-116

Portable AC EV Charger

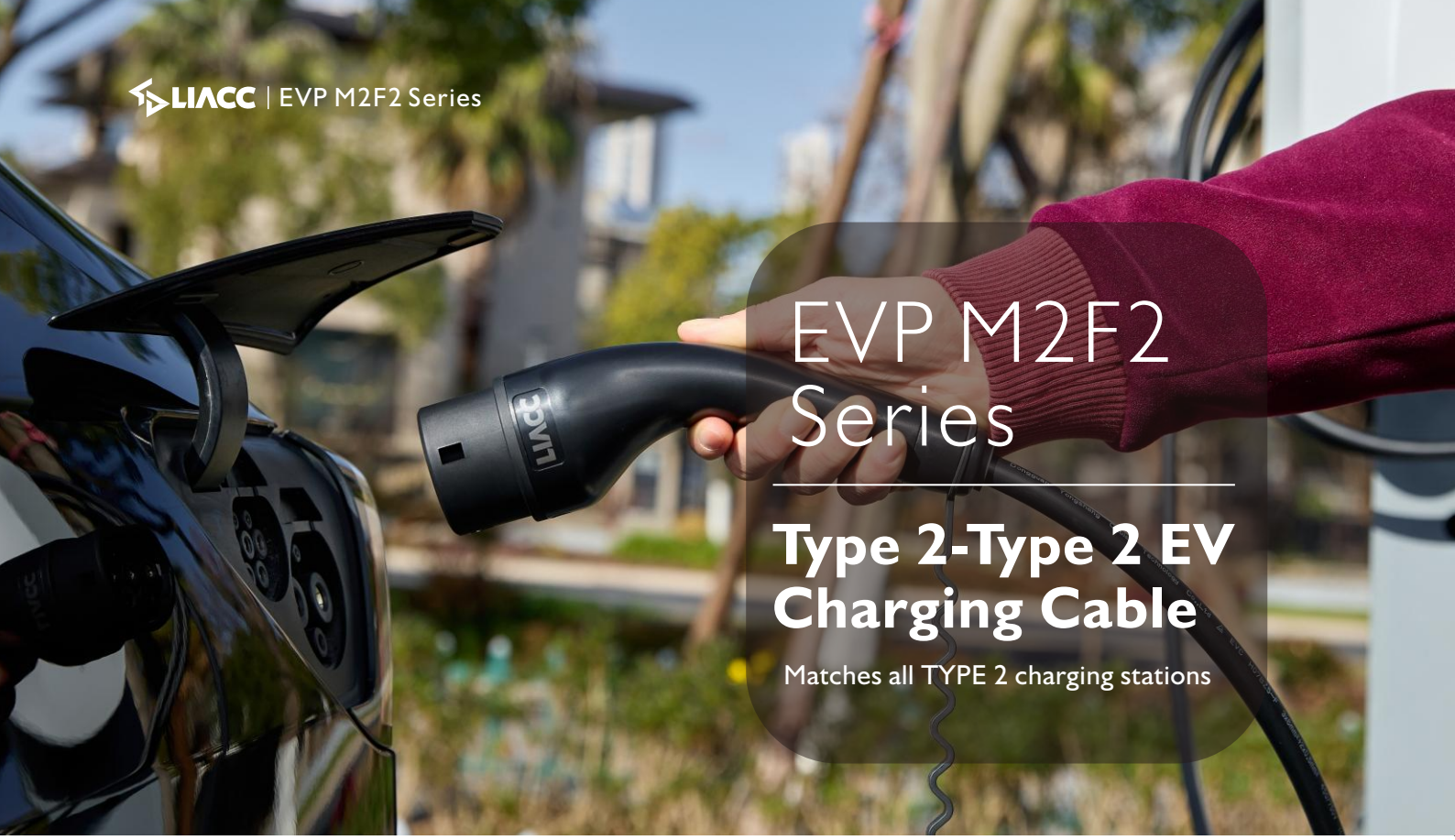
Advantage

· A portable EV charger is a mobile charging solution for your EV.
Unlike a fixed EV charging station that's installed at home or in public places, portable chargers can be transported and used anywhere there's a suitable power source.
· Think of it as your EV's emergency backup, if you can't find a charging station, you have your portable charger as a reliable alternative.

Enjoy the charging wherever you go...

Specification

Model	EVE-116
Dimension(mm)	200mm (L) * 100mm (W) * 55mm (H)
Color	Black
Rated Voltage	1P+N+PE AC 230V
Current	8A / 10A/ 13A/ 16A
Frequency	50/60Hz
Connector Type	Type 2
Elevation	≤4000m
Working temperature	-30°C~+50°C
Working Humidity	up to 75% , maximum value at 40°C
Storage temperature	-40°C~+85°C
Protection Function	Over-voltage protection ,Under-voltage protection , Over-current protection ,Short-circuit protection , Ungrounded protection ,Over-temperature protection , DC 6mA Leakage protection 1ph
Protection Level	IP65
Compliance Standards	EN62752:2016 EN IEC 61851-1:2019 IEC 62196-1:2014 IEC62196-2:2016
Weight (kg)	1.75kg
Warranty	2 years



EVP M2F2 Series

Type 2-Type 2 EV Charging Cable

Matches all TYPE 2 charging stations

- Adapter: IEC62196-2(Type 2)
- Certification: CE/ROHS/UKCA by TUV
- Nice appearance, hand-held ergonomic design, easy plug
- Warranty : 2 years
- OEM is available

Specification

Model	EVP-M2F2-116	EVP-M2F2-132	EVP-M2F2-316	EVP-M2F2-332
Rated Voltage	1P+N+PE AC 230V		3P+N+PE AC 400V	
Rated Current	16A	32A	16A	32A
Rated Power	3.7kW	7.2kW	11kW	22kW
Mechanical life	unload plug & off >10000 times			
Working Temperature	-30°C~65°C			
Impact resistance	1m height drop and 2 Tons vehicle run over pressure			
Insulation Resistance	>1000MΩ			
Contact Resistance	0.5MΩ MAX			
Protection Class	IP54			
Contact Pin	Aluminum alloy, silver-plated surface, insulated top			
Shell Material	Thermoplastic (flame retardant rating V-0)			
Cable Length	5m (length can be customizable)			

EVP TC2 Series

Type 2 Tethered EV Charging Cable

- Suitable for manufacturers of Type 2 Tethered wallbox and after-sales replacement
- Adapter: IEC62196-2(Type 2)
- Certification: CE/ROHS/UKCA by TUV
- Nice appearance, hand-held ergonomic design, easy plug
- Warranty : 2 years
- OEM is available

Specification

Model	EVP-TC2-116	EVP-TC2-132	EVP-TC2-316	EVP-TC2-332
Rated Voltage	1P+N+PE AC 230V		3P+N+PE AC 400V	
Rated Current	16A	32A	16A	32A
Rated Power	3.7kW	7.2kW	11kW	22kW
Mechanical life	unload plug & off >10000 times			
Working Temperature	-30°C~65°C			
Impact resistance	1m height drop and 2 Tons vehicle run over pressure			
Insulation Resistance	>1000MΩ			
Contact Resistance	0.5MΩ MAX			
Protection Class	IP54			
Contact Pin	Aluminum alloy, silver-plated surface, insulated top			
Shell Material	Thermoplastic (flame retardant rating V-0)			
Cable Length	5m (length can be customizable)			

EVA T2-G Series

Type 2 to GB/T Adapter

This Type 2 to GBT Adapter (IEC 62196 To GB/T) allows you to charge Chinese electric vehicles at Type 2 AC stations.

Use Instruction:

We recommend to use the following steps:

1. Plug in the Type 2 end of the adapter to the charging cable
2. Plug in the GB/T end of the adapter to the car's charging socket
3. After the Type 2 to GB/T adapter has clicked in place you are ready for the charge

Specification

Model	EVA-T2-G-116	EVA-T2-G-132	EVA-T2-G-316	EVA-T2-G-332
Adapter	GBT To Type 2(GB/T To IEC 62196)			
Color	Black			
Rated Current	16A	32A	16A	32A
Rated Voltage	3.7kW	7.2kW	11kW	22kW
Charging Power	AC 230V (1 phase)		AC 400V (3 phase)	
Mechanical life	unload plug & off >10000 times			
Working Temperature	-30°C~65°C			
Insulation Resistance	>1000MΩ			
Connector Pin	Copper Alloy, Silver Plating			
Contact Resistance	0.5MΩ MAX			
Protection Class	IP54			
Shell Material	Thermoplastic (flame retardant rating V-0)			

EVA G-T2 Series

GB/T toType 2 Adapter

This GB/T to Type 2 Adapter (GB/T To IEC 62196) allows you to charge Type 2 electric vehicles at GB/T AC stations.

Use Instruction:

We recommend to use the following steps:

1. Plug in the GB/T end of the adapter to the charging cable
2. Plug in the Type 2 end of the adapter to the car's charging socket
3. After the GB/T To Type 2 adapter has clicked in place you are ready for the charge

Specification

Model	EVA-G-T2-116	EVA-G-T2-132	EVA-G-T2-316	EVA-G-T2-332
Adapter	GBT To Type 2(GB/T To IEC 62196)			
Color	Black			
Rated Current	16A	32A	16A	32A
Rated Voltage	3.7kW	7.2kW	11kW	22kW
Charging Power	AC 230V (1 phase)		AC 400V (3 phase)	
Mechanical life	unload plug & off >10000 times			
Working Temperature	-30°C~65°C			
Insulation Resistance	>1000MΩ			
Connector Pin	Copper Alloy, Silver Plating			
Contact Resistance	0.5MΩ MAX			
Protection Class	IP54			
Shell Material	Thermoplastic (flame retardant rating V-0)			

EVA CS2-G Series

CCS 2 to GB/T Adapter

The adapter complies with the European Electromagnetic Interference (LVD) 2006/95EC and (EMC) 2004/108/EC.
The communication protocol is in accordance with DIN 70121 / ISO 15118 and 2015 GB/T 27930

- **Easy to use.**
  All you need do is just plugging it into the EV inlet , it will work automatically.
- **Equipped with two lithium batteries for automobile.**
  Sufficient power , can adapt to the low temperature environment -20°C~0°C.
- **Low inner resistance and so low heating power.**
  Resistance of DC-＜140uΩ , DC+＜(140+180)uΩ when no load.
- **High sensitive temperature sensor.**
  Down charging current and shutdown when over 115°C.
- **Reliable mechanical coupler loose detecting for safety.**

Specification

Charging Voltage	DC:200~1000V(DC:50~150V Optional)
Charging Current	0~200A(250A short time)
Protocol	CCS2(charger):Din70121:2012 and iso 15118-2:2013; GB/T(EV):GB/T 27930-2015.
Standby Battery	Two rechargeable 18650 lithium batteries provide more than 4 hours of power even when not charging. When charging an electric vehicle, it can be automatically charged at a high current of 900mA at the same time. Leakage current is less than 1uA during standby.
Temperature Sensor	Sensitive temperature sensor on the charging polar.
LED	One LED indicts charging or malfunction
USB	One type C for debug update firmware
Enclosure	IP54
Dimension	310*190*85
Weight	1.5kg
Color	Black
Operating Temperature	-20~6°C
Regulation	CE

Accessories

EV Discharge Cable

Features

- Plug-and-Play, suitable for a wide range of electrical appliances.
- Electric discharge partners, discharge anytime, anywhere.
- Small and portable, 5m Cable travel light for outdoor.
- Movable electric station for outdoor power supply.

Specification

Product Model	EV Discharge cable
Rated Voltage	230V (Single phase)
Rated Current	16A
Charging Power	3.7kW
Working Condition	Elevation: ≤2000m Temperature: -20 °C~ +50°C
Cable Length	5m (customizable)
Protection Level	Plug: IP54 Socket: IP21
Mechanical life	>10000 times
Flame retardant grade	Flame retardant PC
Warranty	1 year

Very Important Tips:
Please check with your car manufacturer or car User's Manual to see if the car has the discharge function before purchase,it needs the support of Vehicle to Load (V2L), or Vehicle to Home(V2H), or Vehicle to Grind(V2G) from your car.

* Do not immerse the device in water.
* Do not use it in an environment that exceeds the operating temperature.
* Do not put your fingers into the car end plug when the device is connected to the power source.
* Do not use when the equipment and cables are found to be damaged.
* Do not use the device for charging other than electric vehicles.

Accessories

EV Charging Cable with CEE Plug

For portable AC EV chargers and also AC EV chargers if installed with CEE socket.

Features

- · Screwless cutting-clamping technology
- · Ergonomic housing shape with nubbed grip surfaces
- · Rubberized screw connection with sealing
- · Strain relief and cable kink protection
- · Housing with threaded lock and safety slide

Specification

Model	EVCP-116 EVCP-116QC	EVCP-132 EVCP-132QC	EVCP-316 EVCP-316QC	EVCP-332 EVCP-332QC
Type	CEE plug			
Rated Current	16A	32A	16A	32A
Charging Power	3.7kW	7.2kW	11kW	22kW
Rated Voltage	220-250V		220-380V 240-415V	
Frequency	50/60Hz			
Pole Number	3 pin		5 pin	
Protection Class	IP44			
Length	Customizable			

* QC means with quick connector end.

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