

# Teison



## Teison Smart Twins

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TS-EVC07-002C-002S

TS-EVC11-002C-002S

TS-EVC22-002C-002S

TS-EVC07-002C-002

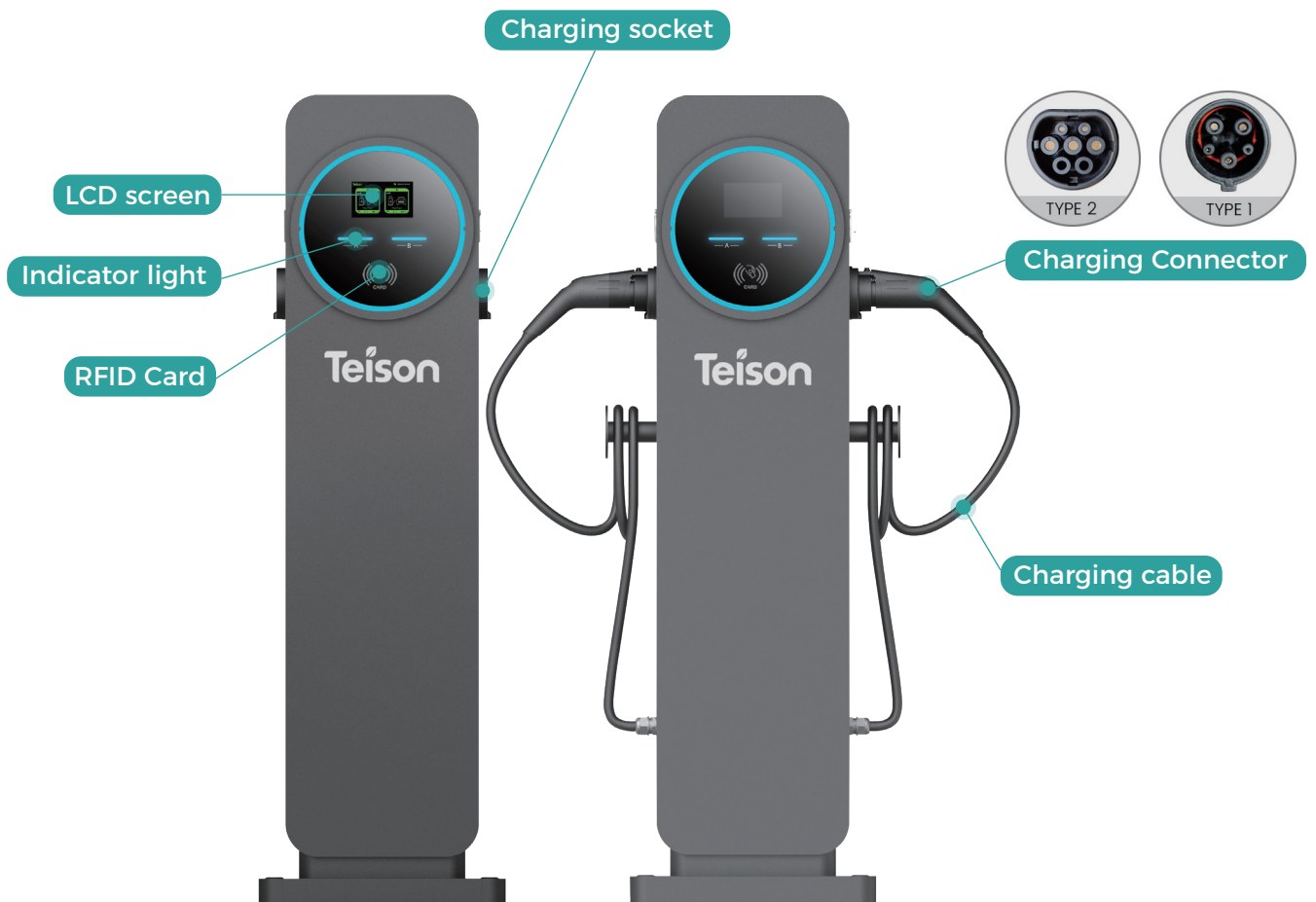
TS-EVC11-002C-002

TS-EVC22-002C-002



# Product overview

The charger features a highly integrated smart board with built-in communication capabilities, and boasts an IP55 protection rating, making it suitable for both indoor and outdoor use. It supports OCPP 1.6J protocol and offers multiple connectivity options, including RFID, Ethernet, Wi-Fi, and 4G. Users can remotely access data and configure settings through the OCPP platform, enabling real-time intelligent charging.



# Product features



## Sturdy metal casing

Meet IP55 & IK10 standard by lab test



## 5 / 7 inch HD touch screen

Easiest user interaction and real-time status view



## Indicator light

Showing real time status



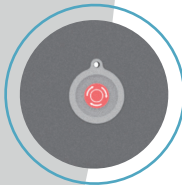
## RFID Sensor

Identification & payment solution



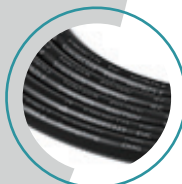
## Waterproof port

For the best security



## Emergency button

Press to cut off the power immediately



## TPU cable

4.5 meter cable with excellent durability and top cold resistance at -30°C



## TUV approved connector

Completed shaped and easy hold; Silver plated terminals to minimize wear and tear on EV charging socket

## **Designed for future smart charging network**

- Timeless and classic design fits in urban space and architecture.
- Compatible with full smart functions under OCPP 1.6 J-SON
- Authorization for use on a mobile application or a cloud platform to monitor the charger operation remotely
- Connecting to the network by 4G,WIFI and Ethernet
- Independent Access hole, wiring entrance and rail-mounted components for most effective installation and maintenance.
- Protecting the life of car battery with the most stable charging process.

## **Highest safety**

- SPCC Carbon steel housing material, Have good heat dissipation.  
The structural strength is high, and the outdoor installation is not easy to be damaged
- The housing is made from materials specially developed for top heat dissipation and with flame retardant coating.
- Completely meets all requirements of the CE applicable standards.
- AC + DC faults detection
- Real-time monitoring for heat and all instabilities during charging process

# Product configuration

Product codes	Vehicle connector	Max.charging current	Max.DCcharging power
TS-EVC07-002C-002 TS-EVC07-002C-002S	2*CCS2	2*32A	7kW
	2*CCS1		
	2*GBT		
	2*NACS		
	2*CHAdemo		
TS-EVC11-002C-002 TS-EVC11-002C-002S	2*CCS2	2*16A	11kW
	2*CCS1		
	2*GBT		
	2*NACS		
	2*CHAdemo		
TS-EVC22-002C-002 TS-EVC22-002C-002S	2*CCS2	2*32A	22kW
	2*CCS1		
	2*GBT		
	2*NACS		
	2*CHAdemo		

**Note: The type of charging connector may be selected and customized according to specific needs.**

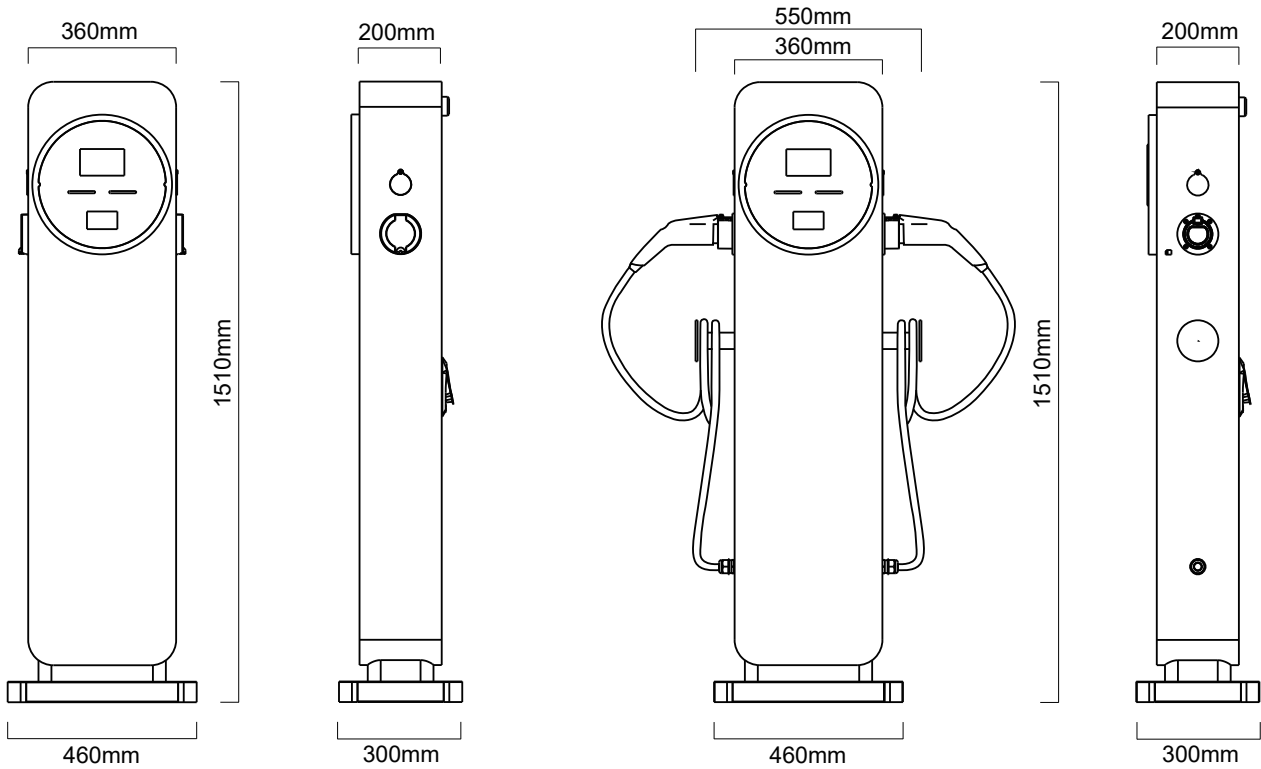
## Optional Config

Dynamic Load Balancing	RS485 meter or local junction box (optional)
Display	7" Android touch screen
Energy Meter	MID power meter
Network Gateway	4G
Ground Connection	PEN fault prote (UK only)

# Parameter

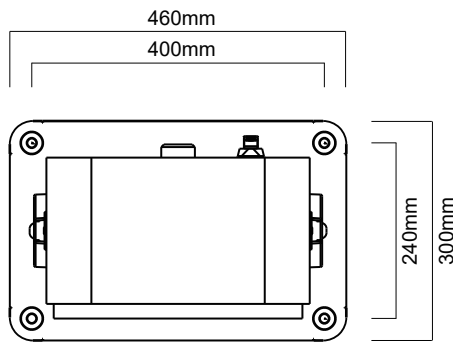
Specification			
Model	TS-EVC07-002C-002S TS-EVC07-002C-002	TS-EVC11-002C-002S TS-EVC11-002C-002	TS-EVC22-002C-002S TS-EVC22-002C-002
Electrical Properties			
Voltage	230V AC ±10%	400V AC ±10%	400V AC ±10%
Max Output Current	2*32A	2*16A	2*32A
Frequency	50/60HZ	50/60HZ	50/60HZ
Max Output Power	2*7kW	2*11kW	2*22kW
Residual Current Protection	30mA AC+ DC 6mA		
Design			
Emergency Stop Button	Yes		
Display	5/ 7" LCD touch screen		
RFID Function	Yes		
Charging Outlet	Two charging socket (Type 2) / 4.5M charging cable		
Energy Meter	On board power meter		
Housing Material	SPCC carbon steel		
Installation Method	Floor mounted		
Network Gateway	LAN/ WIFI		
Communication Protocol	OCPP1.6(J-SON)		
Safety Standard	EN IEC 61851-1:2019; IEC 61851-1:2017; EN IEC 61851-21-2:2021; EN IEC 61000-6-1:2019; EN IEC 61000-6-2:2019; EN IEC 61000-6-3:2021; EN IEC 61000-6-4:2019; ETSI EN 300 328 V2.2.2:2019; ETSI EN 300 330 V2.1.1:2017; ETSI EN 301 489-1 V2.2.3:2019; ETSI EN 301 489-3 V2.1.1:2019; ETSI EN 301 489-17 V3.2.4:2020; EN IEC 62311:2020		
Warranty	2 years		
Environmental Performance			
Protection Level	IP55		
Working Altitude	<2000M		
Application Site	Indoor/Outdoor		
Working Temperature	-30 C ~ +50 C		
Working Humidity	5% ~ 95%, No condensation		
Atmospheric Pressure	80kPa ~ 101kPa		
Packing Details			
Product Size	360*200*1510mm		
Base Size	460*300mm		

# Product size and packaging



Socket Type

Connector Type

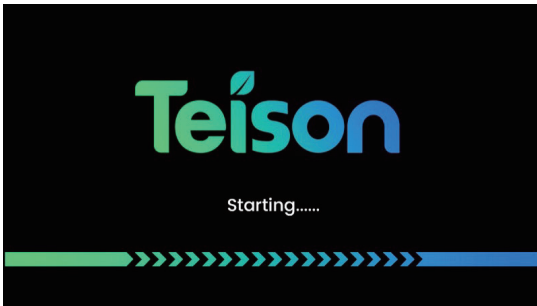


Base size

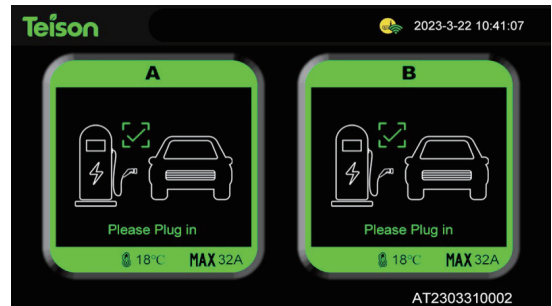
Product Codes	Package Size(mm)	Package Weight(KG)
TS-EVC07-002C-002 TS-EVC11-002C-002 TS-EVC22-002C-002	1630*650*500mm	64KG
TS-EVC07-002C-002S TS-EVC11-002C-002S TS-EVC22-002C-002S	1630*580*500mm	58KG

# Charging instruction (5" inch LCD touch screen)

Follow the prompt operation and simply tap on the touch screen. The process can be summarized as follows



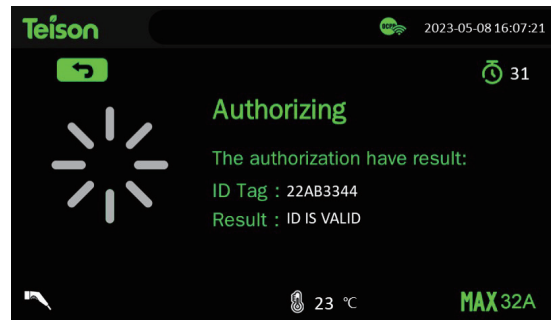
Touch the screen to enter the Starting page.



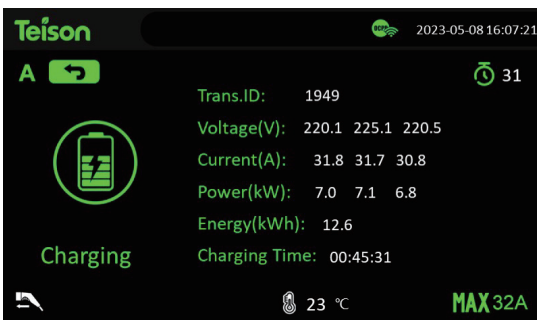
Select the corresponding connector and connect it to the vehicle car.



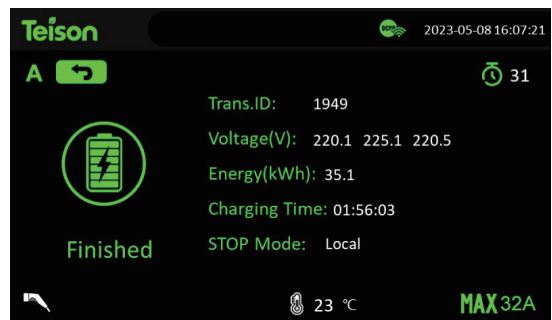
Scan QR code or swipe card for verification



After swipe card, the screen shows the result.



When charging, the screen shows the energy , charging time , voltage and current.



Users can choose two ways to stop charging:

- 1.Users swipe the card again to end.
- 2.Users stop charging by the App.

# Charging instruction (7" inch LCD touch screen)

## RFID Prepaid Charging Mode

Click the start button on the display screen, and the screen will show a swipe signal. Once this interface appears, place the card at the card reader.



## Scan the Code on the App to Start Charging

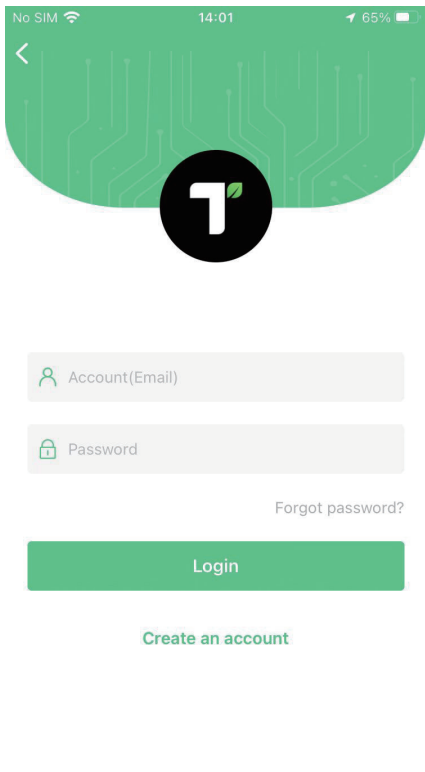
Click on User Preference and then select QR Authentication.

Open the My Teison app and enable the scanning function.

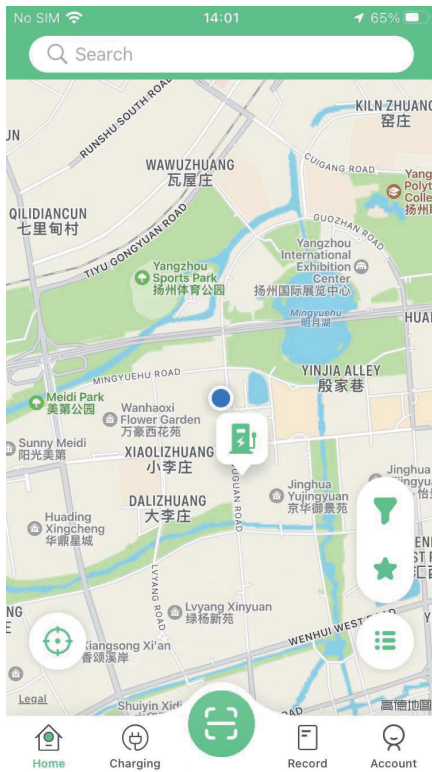


**Note: It also supports POS card charging. For more detailed instructions, please refer to the manual.**

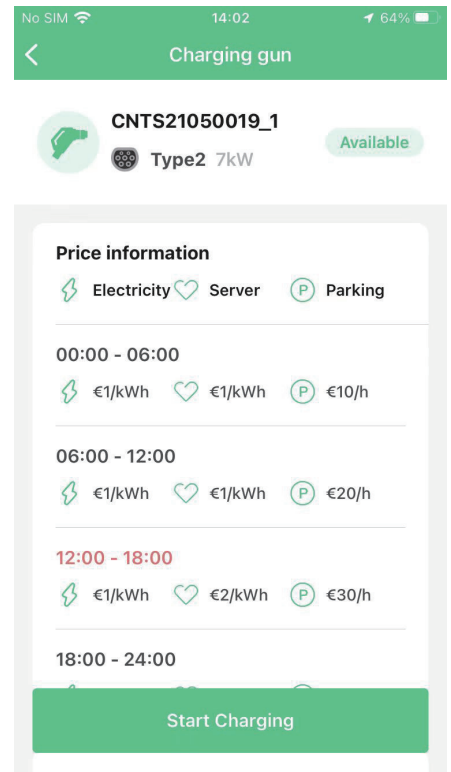
# APP charge



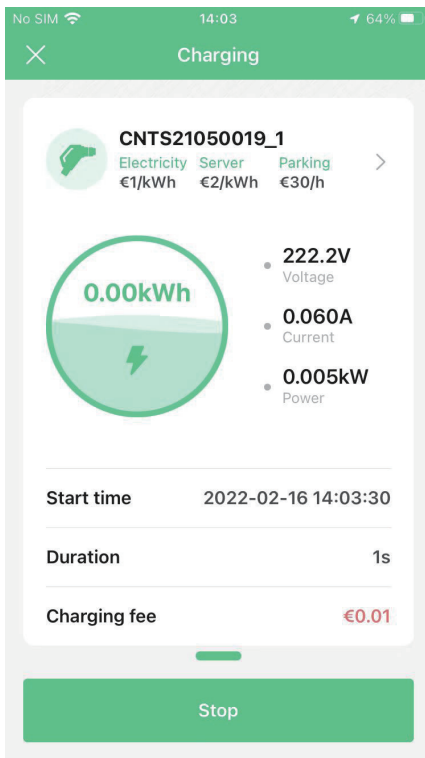
Register your information and login



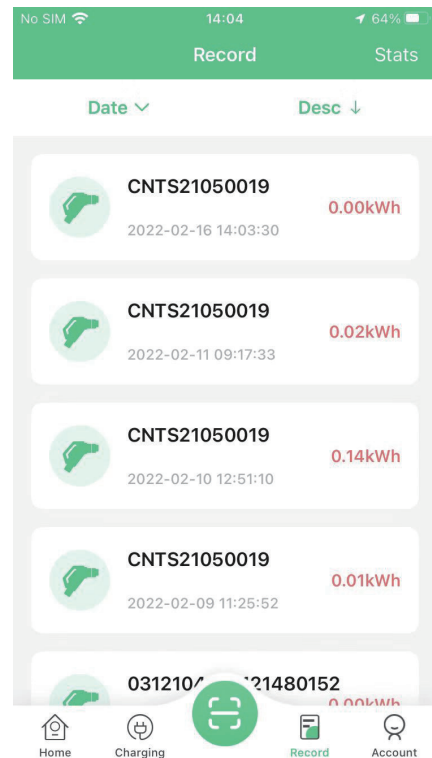
Scan the code when charging



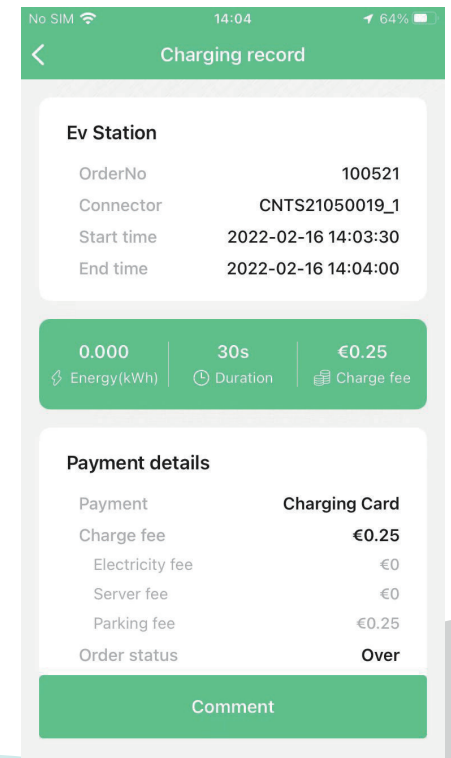
Choose charging mode to charge



Charging status



Check your account and bill information





## Teison profile

Teison Energy Technology Co., Ltd. is a high-tech enterprise dedicated to new energy products. With its industry-leading R&D and design team, it has advanced automobile charging technology and products that can solve energy management, load balancing, commercial operations, data transmission, remote upgrading, and operation and maintenance management in various application scenarios. It provides users with an integrated "Solar-storage-charge" solution.

Teison's products comply with national, European, American, and Japanese standards, including household intelligent charging series and high-power fast charging and supercharging direct current series for commercial operations that are available in AC and DC, mobile, and portable models. They have been certified by the OCPP1.6J certification of the OCA alliance, Germany's TUV Rheinland for CE, CB, WEEE, UKCA, TR25, and AZE certifications, and the national grid 16949 certification.

As a smart charging expert, Teison's products are sold worldwide. It has established more than 100 sales outlets in over 40 countries, and has set up subsidiaries, overseas warehouses, and after-sales service departments in Europe, the Middle East, South America, and Southeast Asia to provide users with efficient and fast technical support.

As a safety charging expert, Teison insists on putting safety first, and product quality is the essential guarantee of safety. It creates aesthetically designed, high-quality, and safety-friendly charging scenes for users, and together with Teison's technology, lets users enjoy a better life.

# Factory history

**2018**

Teison brand established, committed to creating the most reliable charging solution for global customers.

**2019**

1. Built R&D team
2. Developed LVD+EMC TUV-certified OCPP full-featured charging station

**2020**

1. Established a new 4000m<sup>2</sup> production facility
2. Developed full-featured OCPP for AC series
3. Awarded national-level high-tech enterprise

**2021**

1. Developed 20-40kW OCPP DC charging station
2. Developed 60kW-480kW integrated DC charging station
3. Achieved top new energy export status in Yangzhou

**2022**

1. Expanded production facility to 8800m<sup>2</sup>
2. Developed a flexible separate power module and dispenser solution, along with high-power liquid-cooled charging stations
3. Ranked among the top 10 most popular Chinese charging station brands globally

**2023**

1. Continuous upgrading of DC charging station (POS, advertising display, cable management).
2. Attainment of OCPP OCA certification.
3. Full-scale entry into the Southeast Asian and South American markets.
4. Commencement of overseas subsidiary establishment.

**2024**

1. Establish offices worldwide.
2. Improve Teison's localization services.