Teison

Instruction Manual

MENU

Product View

Installation Instruction

Charging Instruction

Troubleshoot and Maintenance

Aplication

AC electric vehicle charger
Suitable for home and public charging sites
RFID card reader function
Simple self service use

Main Features

RFID charge.

LCD screen Display

Shows information such as charging status ,max and charging current , voltage , power , Kwh and charging time.

Supporting MID Meter values （Extra function）

WARNING

Please read the below safety guide before use

WARNING

Never use if charging cable is damaged.
The charger must be fitted by a qualified electrician using the appropriate RCB for the application.
A visual check for damage must be undertaken before each use.
This charger must only ever be used to charge electric (EVs) or hybrid vehicles (PHEVs).
The charger must be installed in a well ventilated area, overheating and damage may occur in closed spaces.
Failure to follow the safety instructions may lead to damage or serious injury.

Product View

1.1 Appearance

A

B

1.2 Product Specification

Specification	TS-EVC07-002（S）	TS-EVC11-002（S）	TS-EVC22-002（S）
Rated Voltage	230VAC ±10%	380VAC ±10%	380VAC ±10%
Max Output Current	32A	16A	32A
Frequency	50/60Hz	50/60Hz	50/60Hz
Max Output Power	7.8kw	11kw	22kw
Emergency Stop Button	Yes		
Display	LCD screen		
RFID Function	3pcs cards		
Residual current protection	TYPE A 30mA+DC6mA		
Charging Outlet	One charging socket（Type 2）/4.5M charging cable		
Housing Material	PCV0 for outdoor		
Front Panel	PC		
Installation Method	Wall-mount/Floor-stand		
Safety Standard	EN 61851-1		
MTBF	100000 Hours		
Warranty	2years		
Protection Level	IP67		
Temperature/Humidity	-30~50°C/5%~95% without condensation		
Working Altitude	＜2000M		
Application Site	Indoor/Outdoor		
Product Size	398x324x120mm		
Product Weight	5.3/7.0KG	5.2/8.2KG	5.5/8.5KG
Optional Parts	Residual current protection	TYPE B	
	Energy Meter	MID certified	

1.3 Product list

Charging device assembly	1
Wall-mount Bracket	2
Installation Fittings （bag）	1
RFID cards	3
Instruction Manual	1

1.4 Transportation and Storage

The product is packed well before leave factory.
Avoid sharp pounding, jolt and damage the package when transport.
The storage and transportation temperature is -40℃+70℃, the humidity is 95%, the ambient air shouldn't contain acidity, alkalinity and other corrosivegas or explosive gas.

Installation Instruction

2.1 Safety tips

This charging device must be installed by a qualified electrician.
Before first power up confirm with your installer that it is safe to use.
Make sure all cables are secure and the device is clean and is in a well ventilated area. The charger cannot be installed in an area with possible flame or gas exposure. Never allow children to touch the charger.

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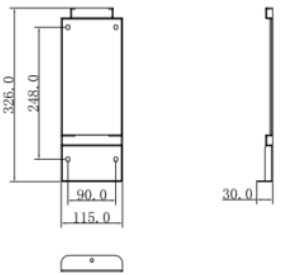
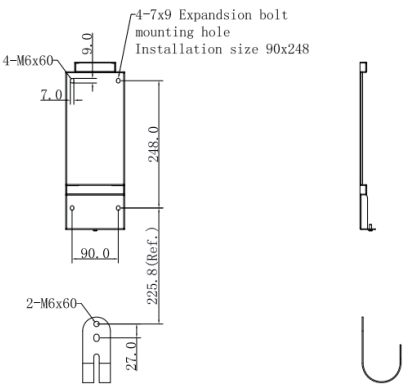
2.2Installation Guide

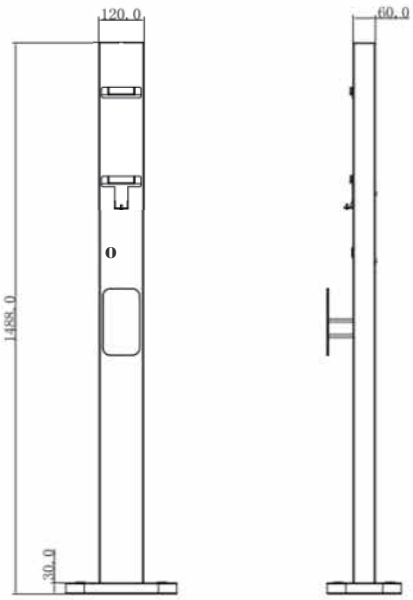
For operation conveniently, the lowest point and the highest point of EV charger should keep 0.4m-1.5m distance from ground.

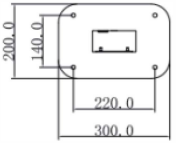
Wall-mounted dimension



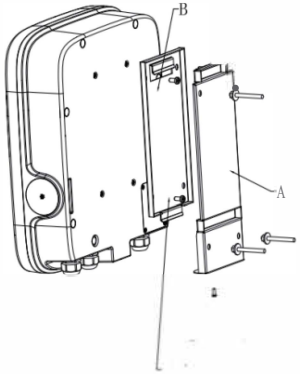


Pedestal installation dimensions





Wall Installation:



1.Offer up backplate to wall min 1 meter above ground mark hole position. Drill holes in the wall.

2.Install expansion screws

3. Install the backplate (A) with the expansion screws

4.Install the plate B to the back of the charger

5. Secure the charger on the fitted backplate.

Warning:

Ensure the backplate is fitted to a sound structure ideally 200mm thick

Danger!

Installation must be carried out by a qualified electrician.
The electric shock would happen if don't install accord with operation procedure.
The electric shock or the serious hazard would happen if don't observe operation instruction of safety precaution.

Charging

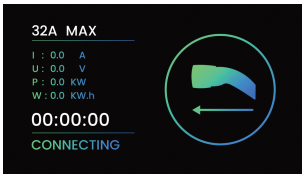
3.1 Charge preparation

After plug in, follow on screen prompts

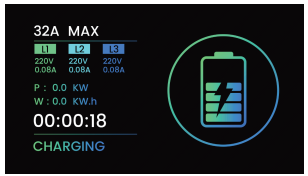
3.2 Start to charge（RFID）

Connect power to enter the starting page.

Prompt to connect your charging cable when it's in the standby status.



Enter "Connecting" mode once plug connection is confirmed



Swipe the card to enter "Charging" mode, the screen shows the power, voltage, charging current, Kwh ,charging time and status.

Users can choose three ways to stop charging:

1. The charger will detect the cars battery is fully charged.
2. Swipe the RFID card on charger, charging will stop.
3. . Cut power to the charger.

Fault mode: see page 14

3.3 LCD Display

STANDBY

Blue light is on constantly

CONNECTED

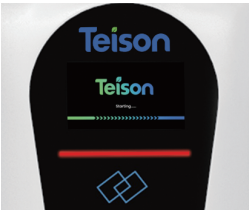
Green light is on constantly

CHARGE

Green light flashes

END

Blue light flashes



FAULT

Red light flashes

Malfunction and Maintenance

4.1 Maintenance

Regularly check charging cable for damage.
Inspect charger casing to ensure the seals are intact and no physical damage exists.
Observe incoming lines to make sure no wire is damaged.

4.2 Breakdown and Maintenance

Condition	Display code	LCD display	Status indicator light	Status indicator light	Solution
Leakage Protection	0x0001	Creepage	flash	1	Relay is disconnected charging stops. The relay is cut off and the red light flashes. Power off and then on again.
Over Voltage protection	0x0002	Over Voltage	flash	2	Over voltage charging stops automatically , the relay is cut off, the red light starts to flash. Power off and then on again.
Less voltage protection	0x0004	Under Voltage	flash	3	Under voltage charging stops automatically , the relay is cut off, the red light starts to flash. Power off and then on again.
Over voltage protection	0x0008	Over Current	flash	4	If the maximum current is 2A higher than the chargers maximum charging stops automatically , the relay is cut off, the red light starts to flash. Power off and then on again.
Over temperature protection	0x0010	Over Temperature	flash	5	When the temperature is higher than 85 ° C, the charging will stop automatically, the relay will be disconnected, the red light will start to flash, when the temperature drops below 85 ° C the relay will automatically reset and charging will begin automatically. When the temperature is between 75 ° C and 85 ° C, the control box will automatically lower one gear position. When the temperature is lower than 75 ° C, the gear position will automatically recover.

Condition	Display code	LCD display	Status indicator light	Status indicator light	Solution
NTC brake	0x0020	Temp Brake	flash	9	The temperature sensor is in open circuit, charging stops and the relay is cut off. Unit must be returned to factory for repair.
NTC short	0x0040	Temp Short	flash	8	The temperature sensor has a short circuit, charging stops and the relay is cut off. Unit must be returned to factory for repair.
CP communication	0x0080	Gun Fault	flash	7	The CP of the charging cable is short-circuited, stop charging and cut power to the charger. Have cable inspected by a qualified electrician.
E-stop	0x0400	EStop Fault	flash	11	If for whatever reason the red emergency stop button is pressed the charging will immediately stop. Press again to resume charging.
MID	0x0100	Meter Fault	flash	6	Can not communicate with the meter for more than 5 seconds, charging stops and the relay is cut off, charging resumes once communication is resumed.
RFID	0x0200	Card Fault	flash	10	Can not communicate with the RFID mode for more than 5seconds, charging stops and the relay is cut off, charging resumes once communication is resumed.

4.3 Warranty card

Information register

Product name	
Model	
Warranty date	
User name	
Contact phone	
Mail address	
Dealers shop	
Email address	