

SMART MINI MANUAL



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Application

The Smart Mini Charging Station is a device that connects to an AC (alternating current) network to charge the battery of an electric vehicle with sufficient power.

Main Functions

- Supports smart charger control via an app (Scheduled charging, Start/Stop charging)
- Plug and Play function
- Charging status can be monitored via the app

Additional features are also available via Wi-Fi/4G network:

- Charging data are saved to the cloud and can be viewed via the app
- Charger PIN code can be viewed and updated
- Updating firmware

WARNING

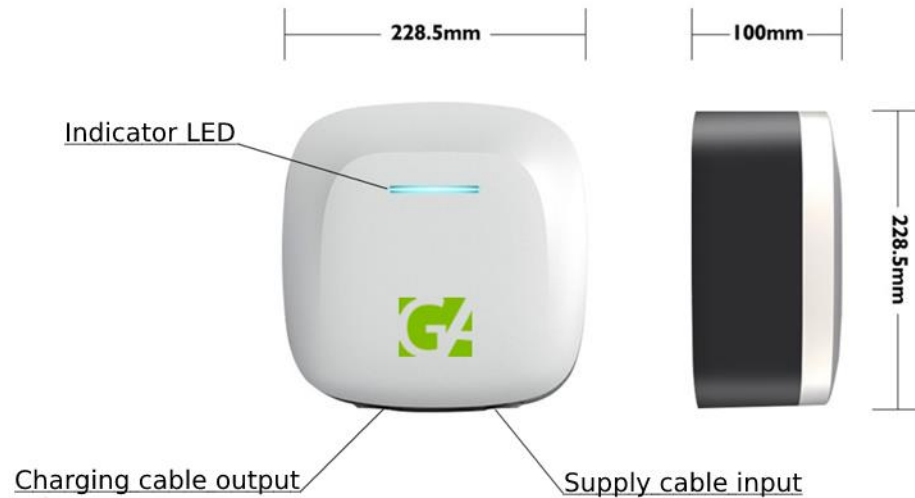
You may cause danger, damage or injury if you do not operate and use the device in accordance with the safety guide.

SAFETY INSTRUCTIONS

- The person installing and using the charger must follow the instructions for safety. The electrical infrastructure must be checked by a qualified electrician before using the charger.
- Before switching on the charger, make sure that it is properly earthed to avoid accidents.
- Before charging, always check that there is no visible damage to the charger. The contact surface of the charging socket must be free from dirt and moisture. The insulation of the charging cable must be free from cuts or abrasions.
- Unauthorized modification, alteration or repair of the charger is strictly prohibited and will void the warranty immediately.
- Do not use the charger near gases or flammable materials or objects.
- Children are strictly prohibited from touching or using the charger. Do not allow children near the charger during use.
- Do not unplug the charger during charging.
- Stop using immediately if a charging fault or abnormality occurs.
- Protect from moisture, rain, sunlight and corrosive environment
- The product is intended for charging electric vehicles only and should not be used for any other purpose.

1. Product overview

1.1. Appearance



1.2. Product specification

Model:	TS-EVC07-003	TS-EVC11-003	TS-EVC22-003
Rated voltage	230V AC ±10%	380V AC ±10%	380V AC ±10%
Max output current	32A	16A	32A
Frequency	50/60Hz	50/60Hz	50/60Hz
Max output power	7 kW	11 kW	22 kW
Charging socket	Type1 or Type2 + 4M charging cable		
Housing material	PCV0 for outdoor usage		
Installation method	Wall-mount/Floor-stand		
Safety standard	EN 61851-1		
Warranty	1 year		
Protection level	IP65		
Temperature/ Humidity	-30 - +60°C / 5% - 95% without condensation		
Atmospheric pressure	80kPa - 101kPa		
Network gateway	Bluetooth, Wi-Fi, 4G (LTE)		
Smartphone APP (iOS and Android supported)	Scheduled charging, start/stop charging, current adjustment, charging status display, Plug and Play function		
Product size	228.5*228.5*100mm		
Product weight	4.4KGS	5.2KGS	5.4KGS
Optional parts	modular TYPE B (30mA AC + 6mA DC) residual current protection		
	OCPP function		
	RFID function		

1.3. Content of the package

Smart Mini charger	1
Wall-mount bracket	1
Mounting materials	1
User manual (available online)	1

1.4. Storage and transportation

The product is packed with adequate protection before leaving the factory. During transport, please ensure that the package does not receive any sharp pounding, jolt or damage to the packaging. Storage and transport temperature should be between -40 and +70°C, humidity between 5 and 95%. Ambient air must not contain corrosive or explosive gases.

2. Installation instruction

2.1. Safety tips

The charger does not contain any user-repairable parts. Do not attempt to repair or service the charger yourself. If your device needs repair, contact us.

Protect the charger from external impact.

Unplug the charger before cleaning it. Do not use cleaning solvents for cleaning. Use a clean, dry cloth to remove accumulated dust and dirt.

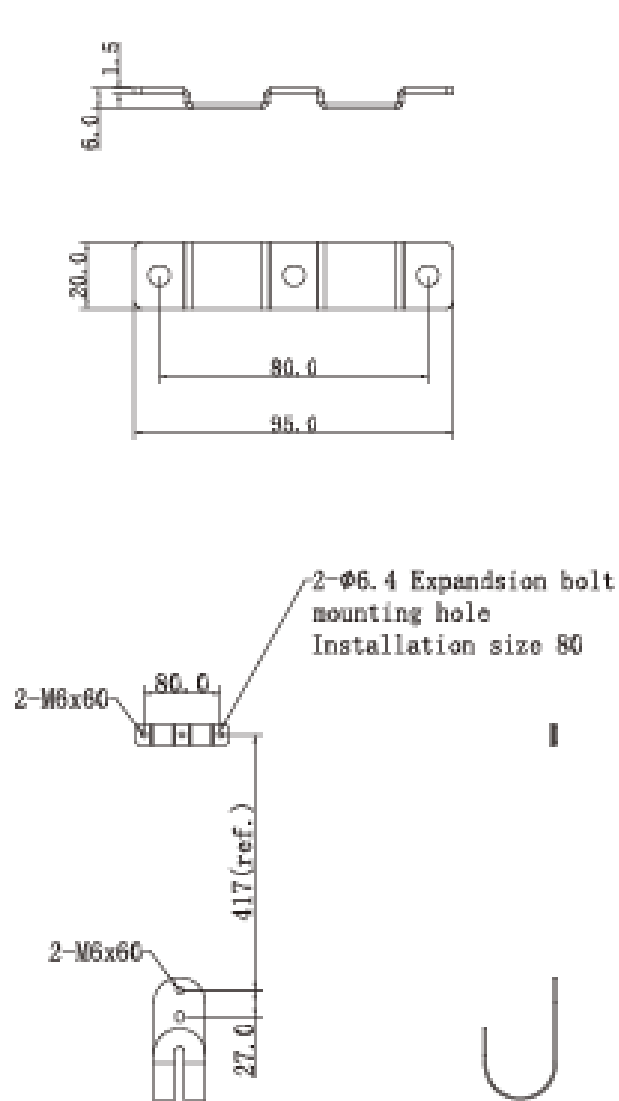
Make sure that the charger cable is positioned so that it is not stepped on, tripped over it or damaged.

Keep children away from the device.

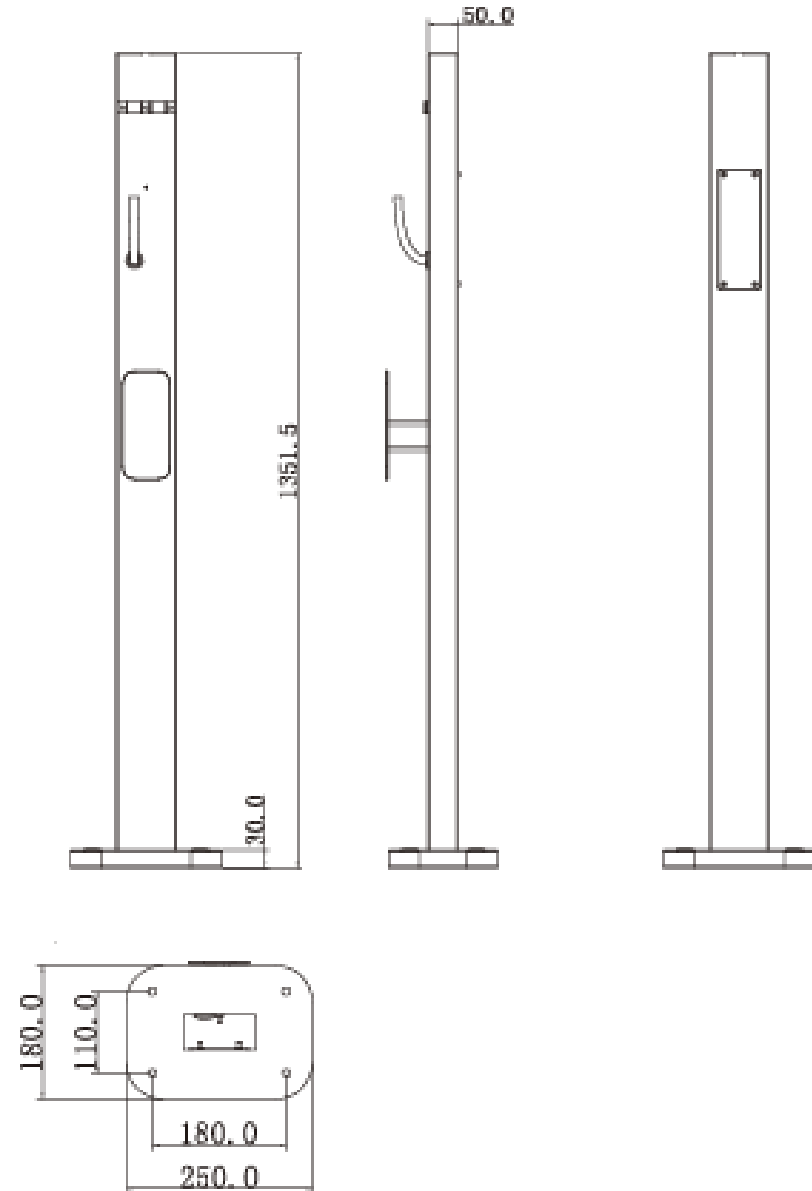
2.2. Installation guide

For comfortable use, the recommended lowest point for placing the charger is 0.4 metres and the highest point is 1.5 metres from the ground.

Wall-mounted dimension



Pedestal installation dimension



Wall installation

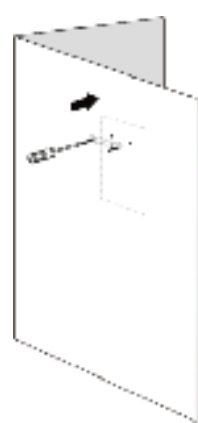
Installation method 1:



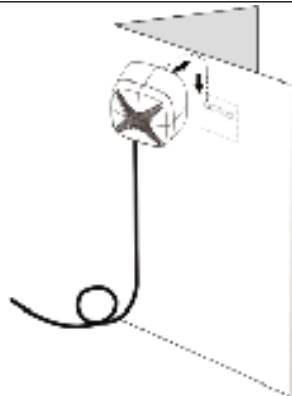
1. Use a drill to make mounting holes in suitable locations on the wall.



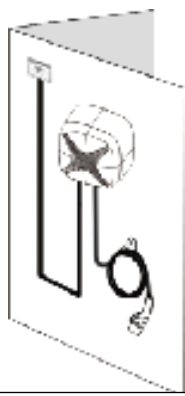
2. Insert the fixing dowels into the



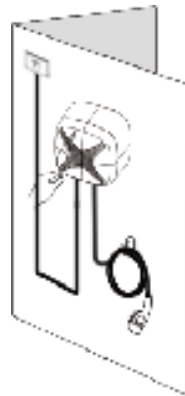
3. Screw the charger backplate fastener to the wall.



4. Align the charger from the top and place it on the mounting back plate.

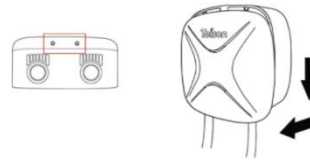


5. Arrange and secure the incoming cables of the charger.

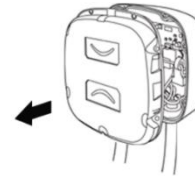


6. Remove the protective film from the front of the charger to start using the product.

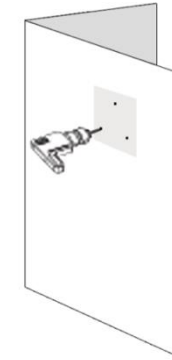
Installation method 2:



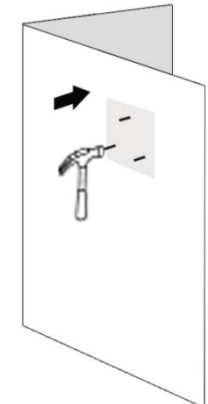
1. Remove the two fixing screws from the bottom of the cover plate, then push the front plate upwards to remove.



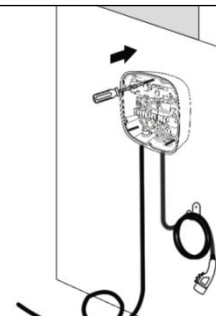
2. Remove the seven fixing screws around the internal panel and remove the panel.



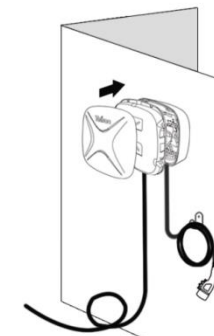
3. Use the drill to make mounting holes in suitable locations on the wall.



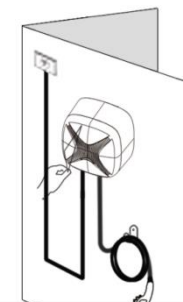
4. Insert the fixing dowels into the holes.



5. Fix the disassembled filler back panel to the wall.



6. Replace and secure the removed panel and front panel.



7. Remove the protective film from the front of the charger to start using the product.

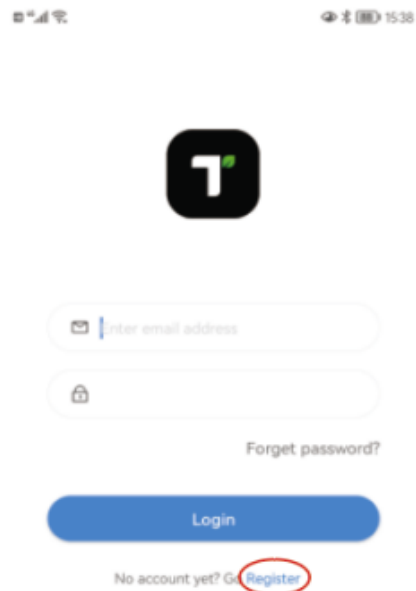
3. Charging instructions

3.1. Charge preparation

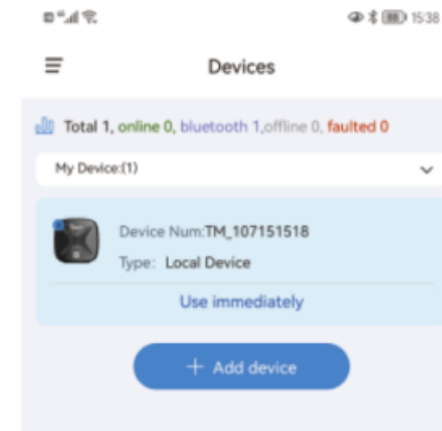
After turning on the charger, download the "TEISON ME" mobile app to your device. Download it from the App Store for iOS and from the Google Play store for Android.

3.2. Start to charge – using the app

3.2.1. Register your user account then you receive a confirmation email to activate your account.



3.2.2. After successful login, the app will list the available available devices.

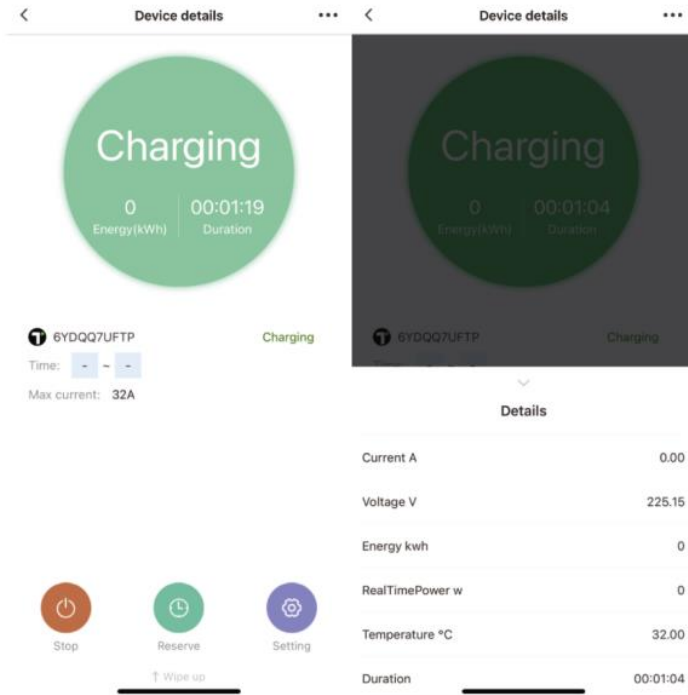


3.2.3. When you select the device, the main operation page appears, where you can control and adjust the charger.

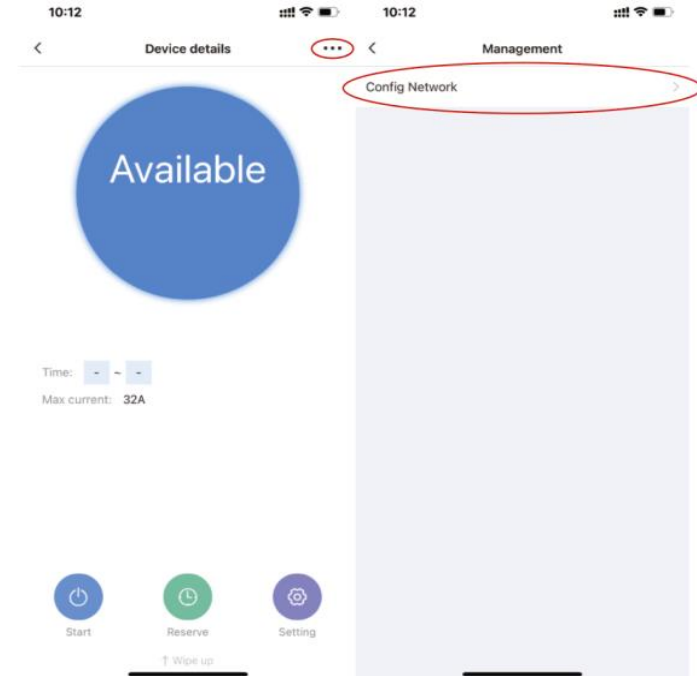




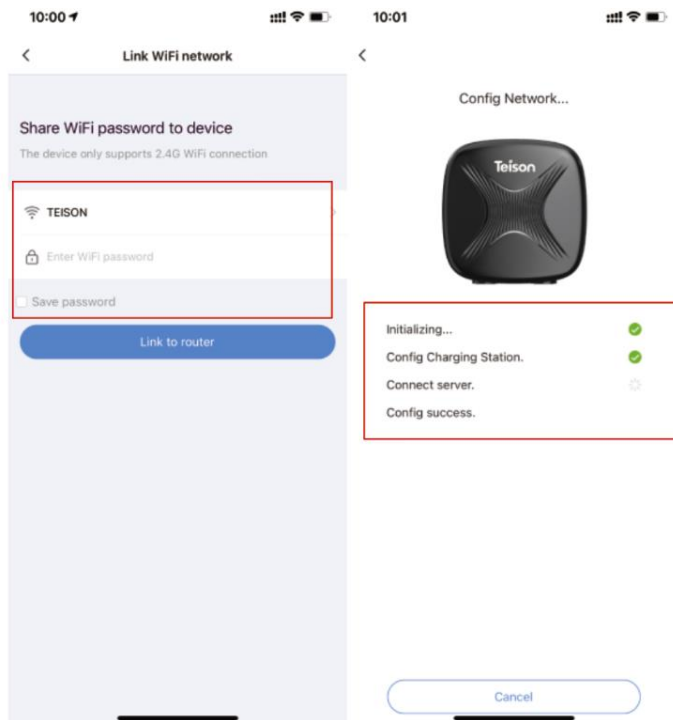
3.2.4. There are three function buttons in the lower menu bar: Start/Stop (Charging start/stop), Reserve (Scheduled charging setting), and Setting, where you can set the charging current and the Plug & Play mode.



3.2.5. Click on the function button in the top right corner to access network settings. You can then choose to set up a Wi-Fi or 4G (LTE) connection.



3.2.6. Enter the correct Wi-Fi settings (Wi-Fi name, password) for the charger, after successful connection the charger will configure the network settings. Once the network settings are completed, the charger will be online. If the Bluetooth connection remains active, the user can control the charger via Wi-Fi or Bluetooth connection.



3.3.Help and issue feedback

3.3.1. The charger is on and connected correctly, but it is not found in the app:

- a) Make sure that the LCD display does not show an error message.
- b) Make sure the Bluetooth function on your phone is turned on.

3.3.2. Network issue:

- a) If a 4G network connection has been configured, check that the 4G (LTE) card is inserted correctly.
- b) Make sure that your phone is connected to a 2.4GHz Wi-Fi network and then share the Wi-Fi with the charger.

3.3.3. Notes:

1. After a successful network setup and connection, the use of the device is restricted, only the user who has made the connection can control the charger.
2. The charger can be shared with other users, in which case the PIN code for the charger must be entered by the other user in Bluetooth mode.
4. In Bluetooth mode, you can override the restriction, then another user can set the restriction.

3.4. LCD indicator light



LED status	Red/Green/Blue
Standby	Blue on
	Blue flashes slowly
Connected/ charging finished / fully charged	Green on
Reserved status (scheduled)	Green on
Charging	Green flashes slowly
Error	Red on

4. Maintenance instructions

4.1. Caution

Check the incoming and outgoing wires on a monthly basis to make sure they are not damaged.

4.2. Error signals

Red light flash times (N+ 5s stop)	Condition	LED status
1	Electric leakage	Indicator light flashes slowly
2	Over-voltage	
3	Under-voltage	
4	Over-current	
5	Overheating	
6	Electrical leakage self-test error code	
7	/	
8	CP pilot error code	
9	Relay error code	
10	/	
11	System 12V error code	
12	System -12V error code	



5. Warranty card

Product name:	
Model:	
Warranty date:	
Name of the user:	
Contact phone:	
Mail address:	
Name of distributor:	
Email of the distributor:	