

60-180KW DC EV Charger

User Manual



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1. Safety Instructions

Read and follow the instructions and warnings in this Manual before attempting to install this product. Keep this Manual for future reference.

Please follow the below safety precautions to prevent bodily injuries and property damages.

HAZA	RD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH
	WARNING: Damaging fumes
	WARNING: Explosive mixtures of dust or gases, corrosive gases, or conductive or radiant heat from other source.
	WARNING: Moisture, abrasive dust, steam or in an excessively damp environment.
	WARNING: Fungus, insects, vermin.
	WARNING: Salt-laden air or contaminated cooling refrigerant.
	WARNING: Pollution degree higher than 2 according to IEC 60664-1.
	WARNING: Exposure to abnormal vibrations, shocks, and tilting.
	WARNING: Exposure to direct sunlight, heat sources, or strong electromagnetic fields.
	WARNING: When the product is running, it should pay attention to ventilation, heat dissipation and keep the environment clean. Avoid installation in places with frequent occurrence of storm, rainstorm, lightning and other severe weather.
	WARNING: During installation, if any abnormal phenomena such as cracking, loose case lock, water leakage are showing up, all operations shall be stopped immediately and professionals shall be informed in time to deal with them.
	WARNING: Do not put inflammable, explosive or combustible materials, chemicals, combustible steam and other dangerous goods near the charger.
	WARNING: Please keep the nozzle clean and dry. If there is any dirt, please wipe it with a cleaning cadre. It is strictly prohibited to touch the charging core with hands when it is powered.
	WARNING: It is strictly prohibited to use the charger when the nozzle or charging cable is defective, cracked, worn, and the nozzle line is exposed. If any, please contact the staff in time.





WARNING: In case of rain and thunder, please use electricity carefully. It is better to stop charging.



WARNING: Do not attempt to disassemble, repair or modify the charger. For repairs or modifications, please contact the staff. Improper operation may result in damage, water leakage, electricity leakage, etc.



WARNING: It is forbidden to insert and unplug the plug during the charging process to ensure the safety of life and the vehicle during the charging process.



WARNING: It is strictly prohibited to continue to use this product for charging in case of failure.



WARNING: If any leakage or insulation failure occurs during the operation of the product, please press the emergency power off button immediately.



WARNING: Obvious maintenance marks shall be set up. Isolation and protection measures shall be added to live parts that may be near by operators to avoid contact.

CAUTIONS



CAUTION: Wrong installation and testing of the charger will cause potential damage to the vehicle battery, assembly, and the charger itself.



CAUTION: To reduce the risk of fire, connect only to a circuit provided with 100 amperes maximum branch circuit overcurrent protection in accordance with the National Electrical Code, ANSI/NFPA 70 and the Canadian Electrical Code, Part I, C22.1.



CAUTION: Do not operate the charger in temperatures outside its operating range of -35°C to + 55°C.

NOTE:

Electrical equipment should only be installed, operated, serviced, and maintained by qualified personnel. No responsibility is assumed by our company for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.



2. Technical Specifications

MODEL		EVA 5460S	EVA 5490S	EVA 54120s	EVA 54180S	
Charging Type		DC fast charging				
Outlet Options			C: CCS	2 cable		
AC Input Po	wer	93 A, 64 kVA @ 400V 50 Hz	139 A, 96 kVA @ 400V 50 Hz	185 A, 128 kVA @ 400V 50Hz	278 A, 192 kVA @ 400V 50Hz	
Input Voltag	je Range		400 VAC or 38	80 VAC ± 10%		
Input Freque	ency		50 Hz c	or 60 Hz		
DC Output P	ower Rating	60 kW	90 kW	120 kW	180 kW	
DC Output V	/oltage	200-100	00 Vdc (Constant p	ower from 300-10	00 Vdc)	
Number of E	EV Served	Up to 2 (CC, /	AA, JC, JJ ,GG mod	dels) Up to 1 (C, A,	J, G models)	
Cable Lengtl	h		5 m default, option	onal 6.0 m/ 7.0 m		
Output Current Range	CCS Cables	4-200 A	6-200 A	8-200 A	12-200 A	
Electro-Magi Compatibility		Class A (optional Class B) according to EN 61000-6-3:2007				
Network Typ	pe	TN-S. TN-C, TN-C-S, TT (required external RCD)				
Connector T	ype	3P + N + PE				
Protection		Overcurrent, overvoltage, undervoltage, integrated surge protection, grounding fault including DC leakage protection, door opening protection				
Overvoltage	Category	Type II				
Power Facto	r (Full Load)	≥ 0.99				
THDi		≤ 5%				
Efficiency		94% (peak) 95% (peak)				
Standby Pov	ver	< 35W				
Short Circuit Current		10 kA				
Pre-charge Current		< 1 A				
Inrush Current		< 100 A				
Leakage Current		0.8 mA				
Energy Mete	ering	Standard: Meter for DC outlet, Optional: AC inlet				
Cellular Com	nmunication	GSM, 4G, LTE				
USER INTERFACE						



Connectivity	Int	ernet access via 4	G/3G/Ethernet (R.)	45)
User Authentication	Internet access via 4G/3G/Ethernet (RJ45) RFID, QR code			
	7" LCD high-contrast touchscreen			
User Interface		/" LCD nign-con	trast touchscreen	
Communiation Protocols		Proprietary a	nd OCPP 1.6J	
RFID Reader		ISO/IEC 14443 A	Mifare RFID reader	
Emergency Button		Y	es	
CONFIGURATION				
Software Upgrade		Over-The	-Air (OTA)	
Language System		English, Chinese	, French, Spanish,	Türkçe
GENERAL CHARACTER	ISTICS			
Protection Rating	IP54 and IK10 (cabinet) / IK08 (touchscreen)			
Housing Material	SGCC, Optional: SUS430			
Operating Altitude	Up to 2000m			
Operating Temperature	-35 °C to 55 °C			
Storage Temperature	-40 °C to 70 °C			
Humidity	< 95%, non-condensing			
Mounting	Free-standing cabinet			
Dimensions (D x W x H) mm	750 x 740 x 1830			
Net Weight (kgs)	295	335	355	395
COMPLIANCE STANDA	RDS			
Codes & Standards	IEC 61851-1 ed 3, IEC 61851-21-2 ed 1, IEC 61851-23 ed 1, IEC 61851-24 ed 1, IEC 62196-2, IEC 62196-3, IEC 61000			
Communication to the EV	DIN 70121, ISO/IEC 15118 ed 1			

^{*} Product specifications are subject to change without further notice



3. Introduction

3.1. Brief Introduction

It takes only 30 minutes at most to fill a car to 95% capacity through the charging plug of the DC electric vehicle charger. Provide green energy solutions for smart cities.

The electric vehicle charger adopts intelligent power distribution system design to meet different application requirements. The maximum power is 180kW, which is compatible with different BMS systems.

Matching application fields:

- Expressway charging service
- Parking lot
- Shopping center
- Commercial fleet
- Residential area

For ease of operation, the electric car charger is equipped with a 7-inch industrial touch screen, a standard Ethernet connection and an embedded RFID reader with WI-FI features to communicate with LAN routers, vehicles, action devices, and other chargers. (WIFI communication is optional)



3.2. Nozzle Specification

CCS

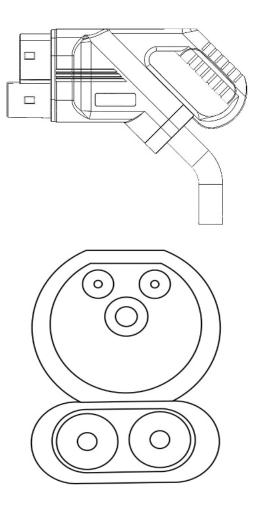


Figure 3.1 Charging plug, CCS structure



3.3. Product Overview





- 1. Touch screen
- 2. Charging nozzle (cable)
- 3. Emergency stop button
- 4. Door lock
- 5. Operation indication panel (nozzle insertion indication, card swiping indication, work indication)



4. Packaging & Transport

4.1. Packaging

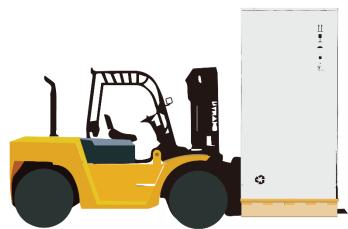
The Charger is delivered in a specialized wood packaging. The following figure shows the packaging, and size information for the Charger.



Model Name	W [mm]	D [mm]	H [mm]
180kW	819	848	2000

4.2. Transport

Move the charger to the required installation location with a forklift truck. Please move the Charger with the utmost caution!



NOTE: The Charger must be stored in its original packaging in a dry environment from -40 °C to 70 °C.

It is recommended to transport the Charger to its final destination in its original packaging and unpack it there.



5. Installation

5.1. Pre-Installation



- Danger to life due to improper installation!
- Ignoring environmental conditions when handling electricity can lead to hazardous situations.

Before performing any installation activities, carefully read each item listed in this chapter that is critical to the installation process.

[Location Selection]

Consider before choosing where to install:

- Meets all criteria regarding charger placement and location
- Accessible Design Standards
- Make sure the installation location complies with cellular signal strength standards

[Local Conditions]

- Area is dry and well ventilated
- The area is not exposed to dust, high temperatures, explosive gases, flammable materials or corrosive fumes
- Wiring and conduit needed to connect the charger to the board
- The location of the charging port when the vehicle is parked
- Space clearance requires minimum dimensions for airflow and service channels.



5.2. Cable Reach

In default configuration, the Charger comes with a cable length of 500cm. The figure 5.1 below shows the operating radius (5m) of the Charger.

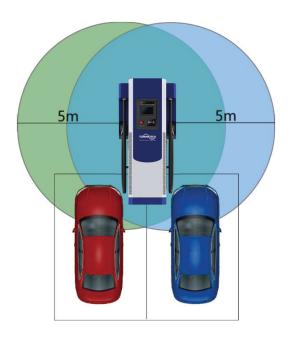


Figure 5.1

5.3. Construct Foundation

- The charger can be built on a concrete foundation, the flat surface of foundation should not be less than the dimension of 530 mm * 750 mm.
- When preparing the foundation base and cabling pay regard to positions of cable through holes and expansion bolts, which was dimensioned in Figure 5.2.

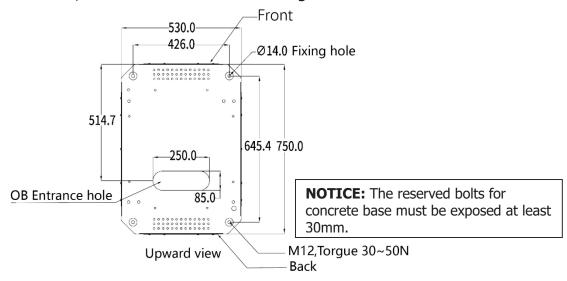


Figure 5.2

The height of the foundation is determined by the topography and natural environment



of the site. Depending on rainfall and drainage a height between 15 cm and 30 cm above the ground is recommended. Because of frost-proof the foundation has to be about 80 cm deep under the ground.

NOTE:

- The unit must be mounted on solid and flat stone slabs.
- Different types of stone slabs require the use of expansion bolts, or choose suitable screw installation, in some conditions require drilling.
- The laying of power cables shall be in accordance with relevant national and industrial standards, specifications.
- Cable selection specification shall be selected according to the number of equipment and the type, power, voltage and current level of the equipment installed.
- When cables are laid, they are strictly forbidden to be exposed.
- When the cable is buried directly, the buried depth should not be less than 0.8m in order to prevent freezing.
- The selection of power cable specifications should be selected according to the installation environment and fire requirements.

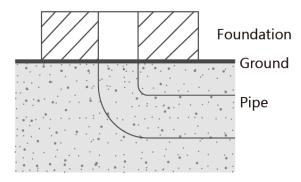


Figure 5.3

5.4. Standard Wiring

To connect the charger to the electrical panel, a professional installer or qualified electrician should consider the following guidelines and consult the table below.

Overview of parameters for dimensioning of the protective devices and power supply line

Charger rating	60kW	90kW	120kW	180kW
Input phases (mm²)	35	70	95	150
Input Neutral (mm²)	16	35	50	95
Input PE (mm ²)	16	35	50	95



Breaker With RCD Type A	125	200	250	400
Breaker 3Pole (A)	123	200	230	400

Specification requirements for fixing bolts

Charger rating	60kW	90kW	120kW	180kW
Input Phases terminal block	M8	M8	M8	M8
Input Neutral terminal block	M8	M8	M8	M8
Input PE terminal block	M8	M8	M8	M8

The Cable sizes is based on table B.52.12 of IEC 60364-5-52 with the following assertions:

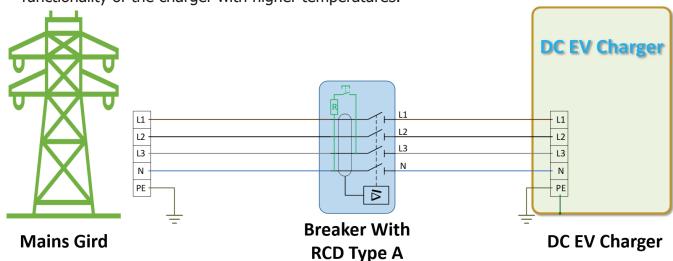
- 90 °C conductors
- An ambient temperature of 30 °C
- Use of copper conductors
- Installation method F

PE cable size is based on table 54.2 of IEC 60364-4-54.

If the ambient temperature is greater than 30 °C, larger conductors are to be selected in accordance with the correction factors of the IEC.

Standard wiring considerations:

- Certified Type A RCD should be installed upstream close to the charger.
- In accordance with the electrical installation standard IEC60364-7-722. Refer to local regulation.
- The circuit breakers and the power cable minimal cross-sections are overvalued to ensure the functionality of the charger with higher temperatures.





5.5. Space Requirement

When installing the charger, ensure a minimum distance from possible objects around the charger to allow sufficient airflow, and secondly, to leave room for possible service or maintenance operations.

The following figure shows the recommended minimum distance to be maintained during the site installation:

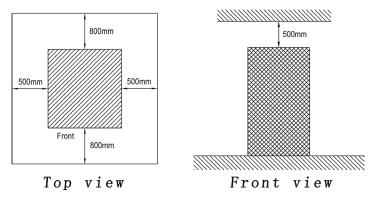


Figure 5.4

NOTE: Clearance dimensions are published for airflow and service access only. Consult with the local safety codes and standards for additional requirements in your local area.

5.6. DC Charger Installation

Recommended Tools

- (1x) Gloves for installation work, insulating gloves for commissioning test
- (1x) Voltmeter or digital multi-meter
- (1x) Water level
- (1x) Hammer
- (1x) Concrete drilling machine
- (1x) Wire cutters / strippers
- (1x) Slotted screwdriver
- (1x) Phillips screwdriver
- (1x) Hex wrench socket 8mm (No. 8 socket wrench)
- (1x) Hex wrench socket 19mm (No. 19 socket wrench)
- (1x) Extension rod
- (1x) Torque wrench
- (1x) 19mm ratchet wrench

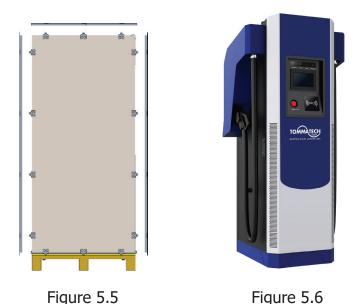


Step 1: Demolition of steel belt box and foam

Use slotted screwdriver to remove the steel belt box then remove the foam;
 See Figure 5.5

Step 2: Remove the top four ring hole screws

Using No. 8 socket wrench , remove the top four M12 round head hex screws;
 See Figure 5.6



Step 3: Fix the lifting ring on the screw hole

• Fix the lifting ring (M12) onto the screw hole using No. 8 socket wrench ; See Figure 5.7

Step 4: Remove the fixing screws between the charger and the base

There are two cases when removing the fixing screws between the charger and the base

- When the screw position of the base has a large hole: open the front and rear doors, and use No. 19 socket wrench, extension rod, and torque wrench to remove the fixing screws (M12) between the charger and the base; See Figure 5.8

the base screws, and then use 19mm ratchet wrench to extend to the bottom to loosen the fixing screws (M12) between the charger and the base.





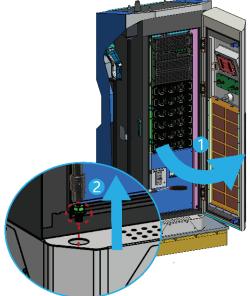


Figure 5.7 Figure 5.8

Step 5: Lift the charger to the cement fixing platform

- Use the mounting plate and level tools to mark the mounting position in cement platform
- Close the front and back doors, and then lift the chassis to the cement fixing platform with steel wire ropes through lifting rings; See Figure 5.9

Step 6: Attach the charger to cement platform

There are two cases when assembling the fixing screws between the charger and cement platform

- When the screw position of the base has a large hole: open the front and rear doors, use
 - No. 19 socket wrench , extension rod , and torque wrench to fix the screws (M12) to the fixing hole between the charger and the cement platform. See Figure 5.10
- When the opening of the base screw position is small and the sleeve cannot enter: open

the front and rear doors, use 19mm ratchet wrench to extend to the bottom to secure the fixing screws (M12) between the charger and the base, then use phillips screwdriver to secure the baffle.





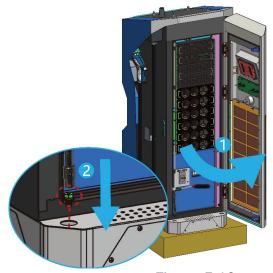
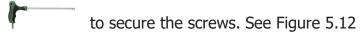


Figure 5.9

Figure 5.10

Step 7: Connect the Charger

- Open the front door and use phillips screwdriver to remove the front switch bezel, See Figure 5.11
- Connect L1, L2, L3, N, PE wires to the circuit breaker, and use No. 8 socket wrench



(Take 180kw as an example, the wiring mode of other models is the same as 180kw)

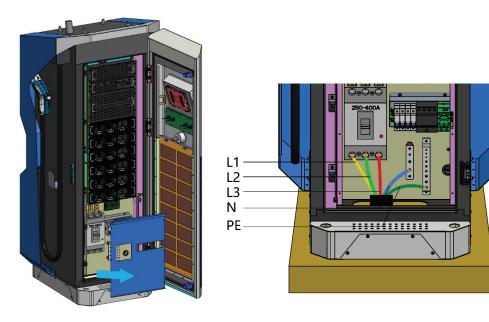


Figure 5.11

Figure 5.12

NOTE:

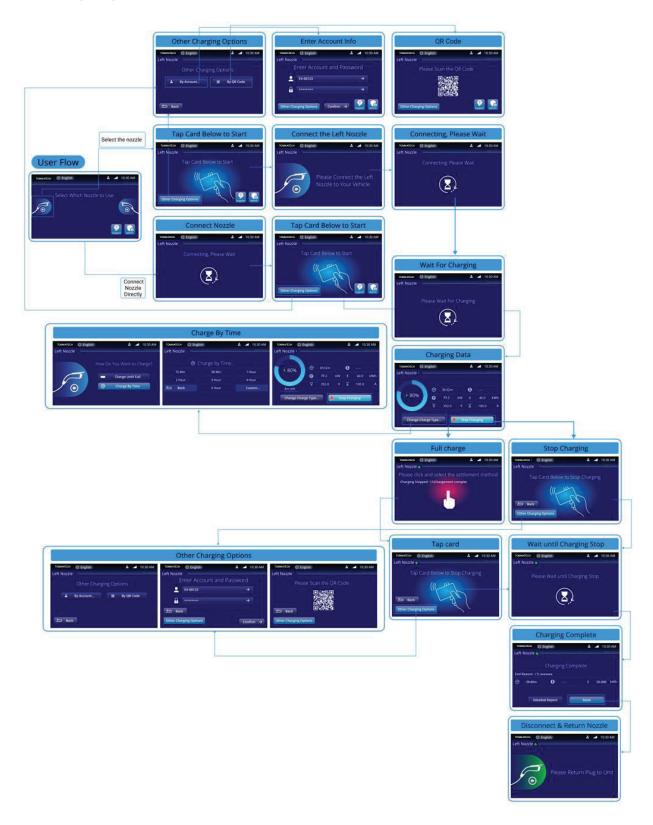
- Before charging the charger, recheck all electrical connections after all wiring is complete.
- After the charger is powered on, the LCD screen will display the status of the charger.



6. Charging Process

6.1. Operation Interface

6.1.1. Display Menu Tree









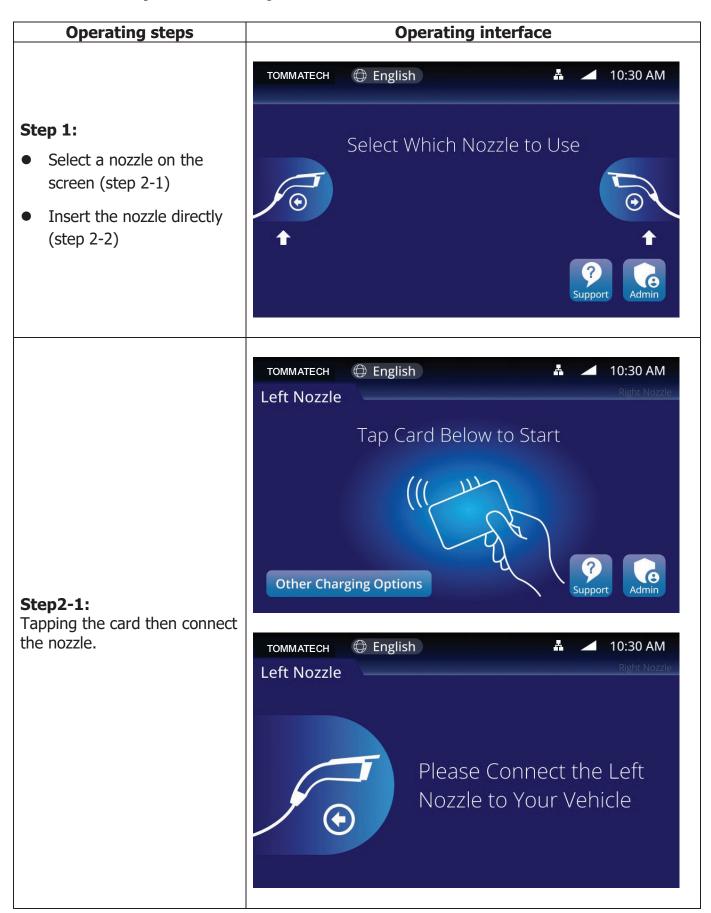


Suzport Admir

Language



6.1.2. User Operation Steps





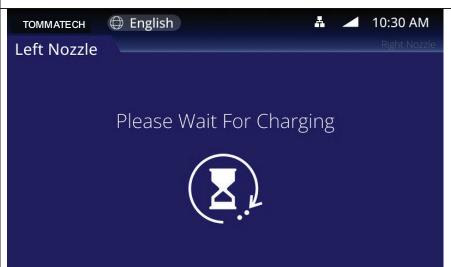
Step 2-2:

If the nozzle has been connected, please tap the card.



Step 3:

Once the authorization is complete, this charger will start charging.

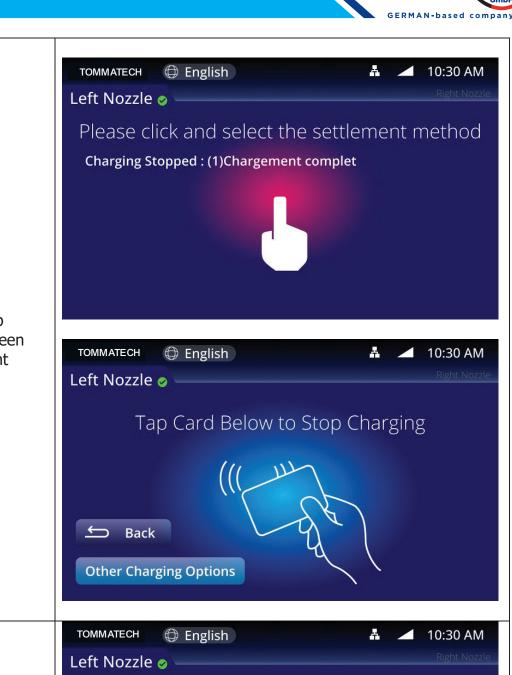


Step 4:

While the vehicle is charging, charging data can be viewed on the LCD screen via the touchscreen.







Step 5:

After the charging is completed, it will pop up message to click the screen and select the settlement method.

Step 6:

It will display the charging time and charging capacity as the final screen.

When charging is complete, put the nozzle back in place.



NOTE: During charging period, if it's necessary to stop charging, simply touch 'icon on the right bottom corner.





6.1.3. Charging Page Description

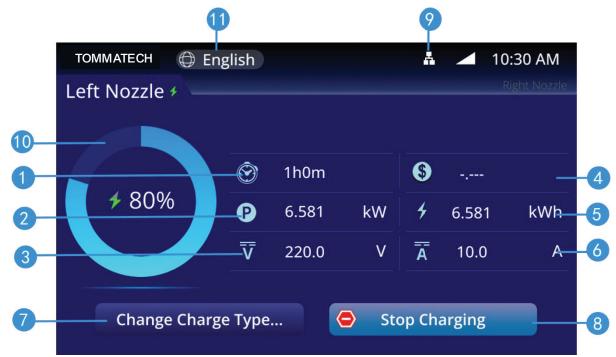


Figure 6-1 Real-time charging interface

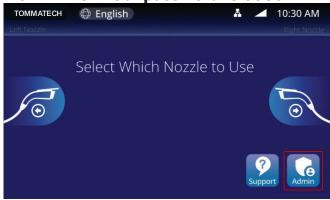
- 1. Charging time
- 2. Charging power
- 3. Charging voltage
- 4. Charging cost
- 5. Charging capacity
- 6. Charging current
- 7. Change charge type
- 8. Stop button
- 9. Network status
- 10. Charging capacity of charged vehicle
- 11. Language selection

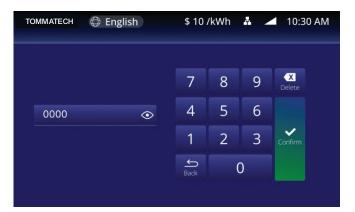


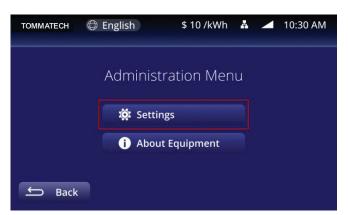
6.1.4. LCD Password Settings

Admin> Enter Password >Settings> General Settings> Pile Assets> Password

NOTE: The initial password is 0000











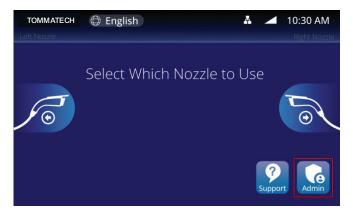




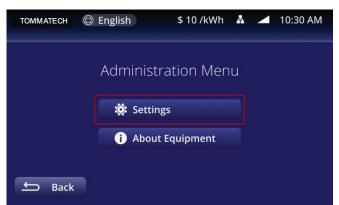


6.1.5. Manage Account

Admin> Enter Password > Settings > Manage Account > Admin > Change Password



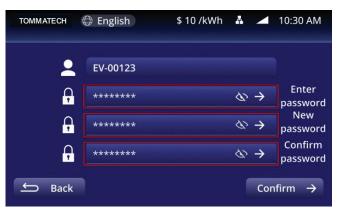










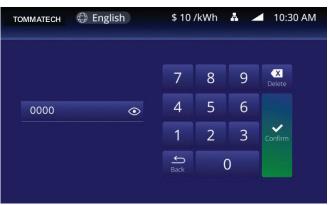


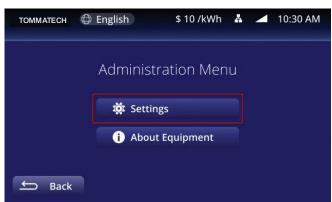


6.1.6. Startup Model

Admin> Enter Password > Settings> General Settings> Card Reader

















Local swipe Mode

⇒ Back

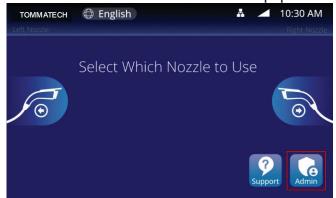
Backstage Mode

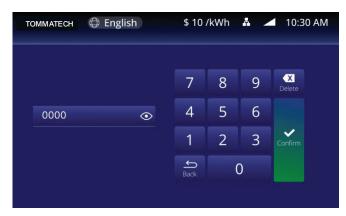
Card-free Mode

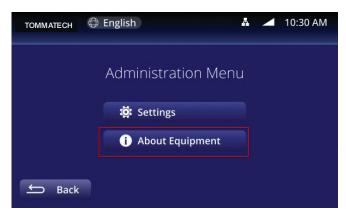


6.1.7. Querying the Version Number

Admin > Enter Password > About Equipment









6.2. LED Operation

The front panel of the charger has an operation indication area to display the charger status.



Figure 6.4 LED Front Panel

- Insertion indicator power LED of nozzle A
 When hung on the nozzle A, the power LED (green) lights up.
 - When nozzle A is charged, the power LED (green) flashes.
- Power LED
 When the charger is powered on, the power LED (yellow) will light up.
 When the charger is turned off, the power indicator will fade out.
- 3. When there is any fault or error in the charger, the fault LED (red) will light up. At this point, for safety reasons, the charger will stop running.



- 4. Insert nozzle indicating power LED of nozzle B When hung on the nozzle B, the power LED (green) will light up.
 - When nozzle B is charged, the power LED (green) flashes.
- NFC sensing areaTo start or stop charging, please place the NFC card near this area.

6.3. Precautions

- If the screen shows a machine failure, do not operate, please contact the staff.
- When the charging light (green light) blinks, it is charging. At this time, please do not plug or unplug the nozzle to avoid electric shock.
- If it needs to be fully charged, please confirm that the balance of the IC card is sufficient when swiping the card. Charging will be automatically terminated if the balance is insufficient during the charging process.
- Follow the charger's operating instructions when operating.
- Be careful not to overexert when unplugging the charging cable.
- In case of emergency, please press the emergency stop switch. Charging can not be carried out at this time.

6.4. EPO Operation

When any of the following situation occurs, please press EPO button to forcibly disconnect the AC contactor, and the control receives the EPO information to forcibly stop the charging processing, and provides a warning on the screen.

- Fire alarm, electric shock or leakage occurs on this charger
- Internal fault, can't stop charging, internal wiring problem occurs on this charger
- It's necessary to move charger location

NOTE: If you press the button by mistake, simply turn the button to the right to resume this action.



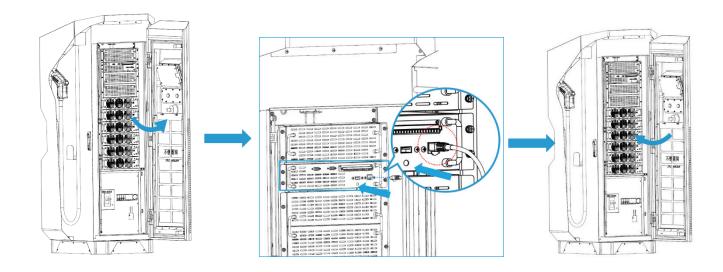
7. System Configuration



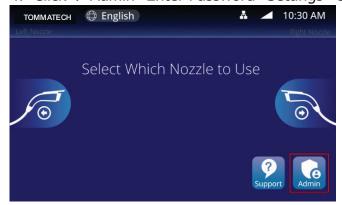
WARNING: Configure the charger only when it is not in charging mode to avoid interrupting the charging session.

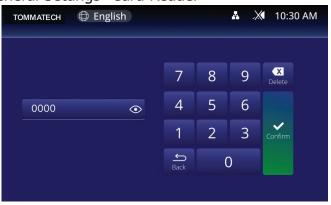
7.1. OCPP Connection

- 1. Open the front door.
- 2. Insert the network cable to use RJ45.
- 3. Close the front door.

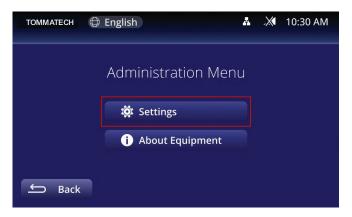


4. Click: Admin>Enter Password>Settings>General Settings>Card Reader













5. Billing Model Select "Backstage Billing", Debug Mode select "None", set it up and click Back



6. Click Backstage





7. Click Pile Assets



8. Set the ID



9. Communication Method Select "Ethernet", click "Ethernet Settings"



10. DHCP selects "Enable", and the URL is filled in with the cloud platform address obtained by the customer.

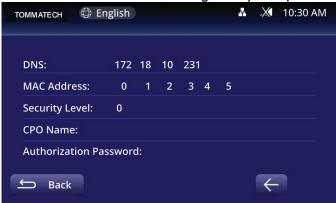
NOTE: The URL of the cloud platform and the charger must be consistent, and the URL of each platform is inconsistent, so you need to fill in the URL according to the platform used by the user.





11. The MAC address does not need to be modified, and each charger has been modified by the manufacturer before leaving the factory.

NOTE: The MAC address is globally unique and cannot be set repeatedly.



12. After the customer cloud platform is created, reboot, wait 1~2 minutes and the signal icon does not cross, prove that the charger is successfully connected to the cloud platform.

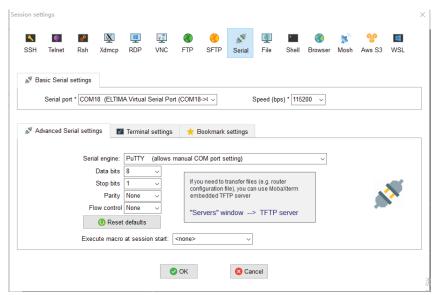


7.2. Charger Log Download

7.2.1. Serial Port Mode

- 1. Use a serial cable to connect the charger.
- 2. In MobaXterm, create a new session, select Serial mode, and set it as shown below.

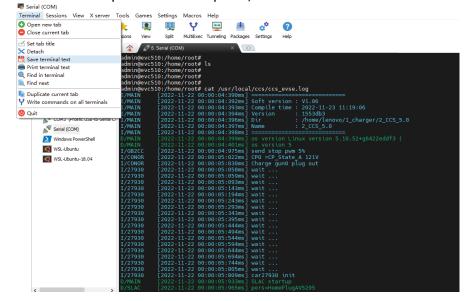




- 3. Enter the account root and password root login.
- 4. Enter the command cat /usr/local/ccs/ccs_evse.log and wait for the serial port to print all records.

```
admin@evc510:/home/root#
admin@evc510:/home/ro
```

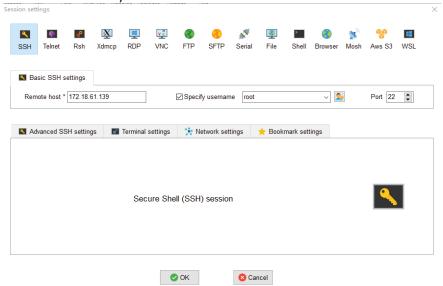
5. When all prints are complete, click Save terminal text in the upper left corner.



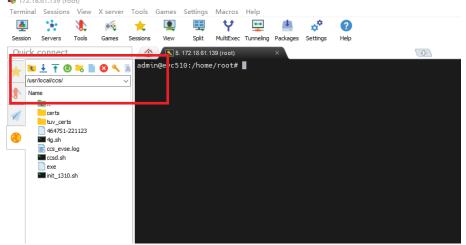


7.2.2. Network Mode

- 1. Connect the charge to the same network as the computer, and obtain the charger IP address on the charger screen or the router management page.
- 2. In MobaXterm, create a new session, select SSH and fill in the IP address of the charger, account root, and click OK to start the connection.

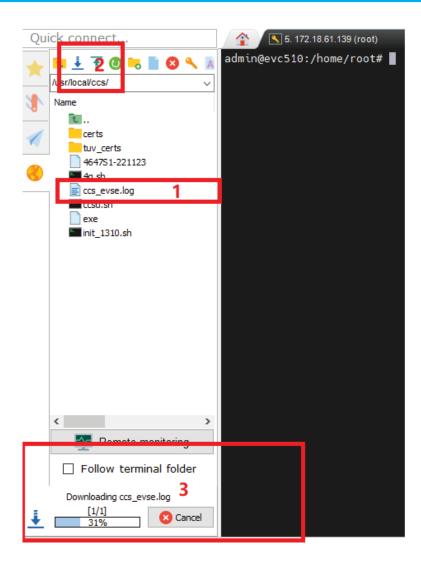


- 3. Enter the account root and password root.
- 4. Enter the path /usr/local/ccs/ in the input box on the left.



5. Select the CCS file _evse.log and CCS _evse.log.0, click the download button to download, the download progress will be displayed in the lower right corner, wait for the progress bar to complete.







8. Routine Maintenance

Due to the influence of ambient temperature, humidity, dust and vibration, the internal devices of the charger will wear out, which leads to the potential failure of the charger. Therefore, it is necessary to carry out daily and regular maintenance of charger to ensure their normal operation and its service life.

- Regularly check if the cabinet structure is loose and sliding.
- Check if the connecting wire is worn and the charging connector is connected firmly.
- Regularly check if any internal components is damage, loose or burned out.
- Regularly check if AC incoming line and ground wire are firmly connected.
- Check the dust accumulation in the cabinet once a month and clean it in time to ensure the heat dissipation.
- Please be sure to keep the cabinet door closed and locked when nobody is on duty.

NOTE: Only professional electricians or persons with professional qualifications can operate the contents of this chapter.



CAUTION: Do not leave screws, washers and other metal parts in the charger for maintenance, otherwise the equipment may be damaged. After the completion of equipment maintenance, it is necessary to check the cabinet to ensure the normal operation of the charger.



Warning: During equipment maintenance and overhaul, please be sure to cut off the AC power supply of the charger.



Warning: During equipment maintenance, necessary measures shall be taken to prevent the charger from being energized by mistake.

Maintenance Projects	Maintenance Cycle
Check the function of each fan regularly: check whether there is abnormal noise and whether the fan turns smoothly.	3 months
Regularly check the function of switches: switches, contactors and other switching devices in the circuit should be regularly checked to see if there is any damage or metal corrosion.	3 months
Clean regularly: clean front and back door strainers and dustproof cotton.	3 months
Check the cable and connection regularly, check whether all the cable connection is loose, if loose, must be tightened; Check connection terminals and insulation for discoloration or peeling, replace damaged or corroded terminals, and replace damaged cables.	3 months
Check whether the warning label is firm or clear, and replace it accordingly.	3 months
Regularly check whether there is abnormal sound during the operation of the charger.	3 months
Check the emergency stop function regularly: check whether the emergency stop switch is normal.	3 months

NOTE: If the charger is used in a harsh environment, please carry out routine cleaning according to the actual usage.





9. Trouble Shooting

Fault Code	Fault Description	Possible cause & What to do
E015	Charging gun is not in place	After charging, put the gun wire back in place
E017	Failed to send bill	The charger is connected to the background, and the bill is uploaded after charging, but no reply is received from the background, please contact the background.
E018	Bill delivery timed out	The charger is connected to the background, and the bill is uploaded after charging, but no reply is received from the background, please contact the background.
E026	The charging condition reaches the user set value	When the charging condition reaches the set value (such as set time, set fee, set time, etc.), please pull out the gun and return to the original position.
E038	BMS Demand Voltage Abnormal	BMS demand voltage exceeds its own maximum allowable charging voltage, please check the vehicle
E039	Background Communication Abnormal	The charger is set to background charging mode, but communication with the background is lost. Check network equipment.
E041	Arrester failure	The arrester is damaged. Contact Customer Service
E042	Overhaul of arrester	The arrester is damaged. Contact Customer Service
E043	Emergency stop switch action	Please turn the E-STOP knob to enable the charger. If the second attempt to start fails, please call the customer service.
E044	AC power loss	The AC circuit breaker has been disconnected. Check if the input is tripped.
E050	Charging module AC overvoltage	Check if the AC input voltage is normal
E051	AC undervoltage of charging module	Check if the AC input voltage is normal
E062	Account does not exist	The card number (account number) is not recorded in the background, please record again.
E064	The card has an unclosed record	Please return to the original charger for settlement, or reissue the card.
E065	Service password error	Please enter the correct password.
E080	Vehicle Control Guidance Failure in Charging	The gun was pulled out during charging.
E100	Active stop of vehicle	The Charger received the BST message and thought that the vehicle stopped voluntarily.
E102	Insufficient maximum output capacity of charger	The BMS required voltage exceeds the maximum output voltage of the charger. Replace the module with a higher voltage level