



Wall Mount Charging Station

**SOLAR**



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Introducing the XR SOLAR Wall Mount Electric Vehicle (EV) Charging Station Guide, encompassing both single-phase and three-phase configurations.

This comprehensive document serves as a user-friendly manual, offering clear and concise instructions for seamlessly operating the charging station in conjunction with your electric vehicle.

Additionally, the guide includes the data sheet of the charging station for comprehensive information and reference.

- ① **DATASHEET**
- ② **SCHEMATIC**
- ③ **INSTALLATION**
- ④ **CONFIGURATION**
- ⑤ **ERROR/WARNING MESSAGE**





# 1. DATASHEET

## Pile-Mounted EV Charging Station 7KW Single Phase

- Single Plug GBT/Type1/Type2
- LCD Display is optional
- For Domestic use or Commercial use



### Input & Output

Input Voltage	WB-7SPSW 110~240VAC
Input Frequency	50Hz/60Hz
Output Voltage	110-240VAC
Output Power	7KW
Rated Current	32A
Wireless Frequencies	2400-2483.5MHz

Transmission Power	802. 11b:17±2 dBm(@11Mbps) 802. 11g:14±2 dBm(@54Mbps) 802. 11n:13±2 dBm(@MCS7)
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Connection	GBT Plug
Cable Length	5m

### Protection

Over Voltage Protection	Yes
Under Voltage Protection	Yes
Over Load Protection	Yes
Hort Circuit Protection	Yes
Leakage Protection	Yes
Over-temp Protection	Yes
Lighting Protection	Yes
Ground Protection	Yes
UV Resista	Yes

### Function & Accessory

Ethernet/Wifi.4G	Opt/Opt/Opt
LCD	Ye
RCD	TypeA+DC6mA
LED Indicator	Yes
Emergency Button	Yes
Power Adjustment	Opt

### Working Environment

Protection Degree	IP65
Operating Temperature	-25X~+50°C
Relative Humidity	5%~95%RH
Altitude	<2000m
Cooling	Natural Air Cooling
Standby Power Consumption	<6W

### Mechanical/Mounting Accessories

Dimension(W/H/D)	500/385/200mm
Weight	<9KG
Wall-Mounting Bracket/Ground-Mounting	Yes/Opt
Certification	GBT

## 2. SCHEMATIC

Figure 1 : Front of Device

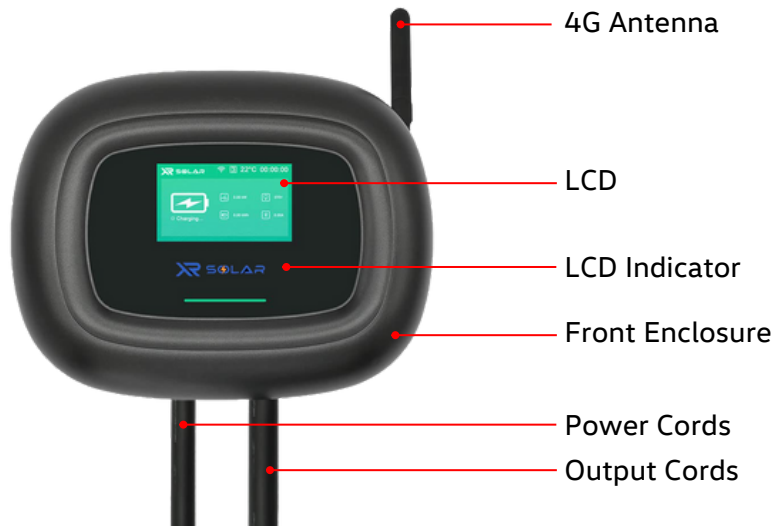
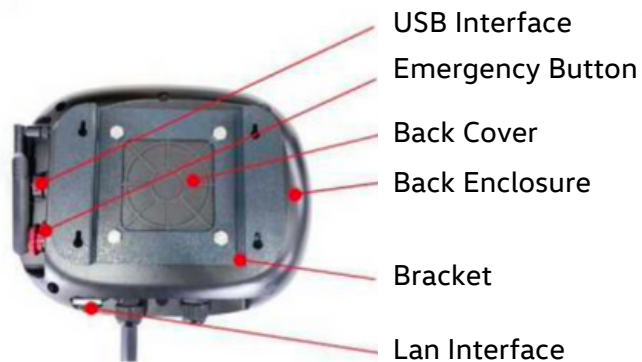


Figure 2 : Back of Device



## 3. INSTALLATION

Figure 3.1 : Wiring



Figure 3 : Installation Steps



Step 1

Remove the back cover, the cable ties, the cord anchorage and the waterproof cable connector. Install the 4G Card (If Applicable).



Step 2

Put the power cord through the waterproof cable connector and input hole.




Step 3

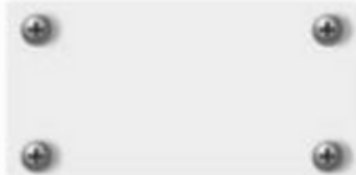


Fix the power cord and the cord anchorage, tighten the screw of waterproof cable connector.

### 3. INSTALLATION

Figure 3.2 : Wall-Mounted Charging Station List








Picture								
Component	Main Device	Bracket	Cable Fastener	Plug Holder	Self-tapping screws S4*30	Cross Screws M4*8	Hexagon Bolt 8*12	Power Cord (OPT)
Quantity	1	1	1	1	8	4	4	1

#### Installation Steps

Picture			
Steps	I	II	III
Description	Refer to section 3.1 for wiring. Fix the self-tapping screws (54*30) as the positioning screws for the main device on the wall according to the size of bracket.	Fix the cable fastener on the wall with the self-tapping screws (54*30), and fix the plug holder on the cable fastener with the cross screws (M4*8).	Fix the bracket on the main device with the hexagon bolt (8*12). Hang the main device on wall according to the positioning screws and plug the EV Connector into the holder.

### 3. INSTALLATION

Figure 3.3 : Type A for Floor - Standing Charging Station List









Picture								
Component	Main Device	Pile (OPT)	Key (OPT)	Bracket (OPT)	Plug Holder (OPT)	Cross Screws M4*8 (OPT)	Hexagon Bolt 8*12	Power Cord (OPT)
Quantity	1	1	1	2	1	4	8	1

#### Installation Steps




Picture						
Steps	I	II	III	IV	V	VI
Description	Use a key to unlock the pile, and remove the back panel.	Put through the power cord from the bottom of pile to the outlet hole.	Fix the pile on the ground and fix the plug holder on the cable fastener with the cross screws (M4-8).	Refer to section 3.1 for wiring. Fix the brackets on the main device with the hexagon bolt (8*12).	Fix the main device on the pile with hexagon bolt (8*12)	Fix the back panel of pile, hang the cable on the cable fastener, and plug into the holder.

### 3. INSTALLATION

Figure 3.4 : Type B for Floor - Standing Station List

Picture								
Component	Main Device	Mode 3 Charging Cable (OPT)	Key (OPT)	Pile (OPT)	Bracket (OPT)	Socket (OPT)	Hexagon Bolt 8*12	Cross Screws (M5*10)
Quantity	1	1	1	1	2	1	8	3

#### Installation Steps

Picture			
Steps	I	II	III
Description	Use a key to unlock the pile, and remove the back panel, put through the power cord from the bottom of pile to the left hole, put through the EV Connector cord in the same way.	Fix the pile on the ground. Fix the socket with cross screws (M5*10)	Refer to section 3.1 for wiring. Fix the brackets on the main device with the hexagon bolt (8*12), fix the back panel of pile.

## 4. CONFIGURATION

### 4.1 Register personal account.

**4.1.1** Download and install the Khons application from the third-party application store, e.g. Google Play for the Android system or App Store for the IOS system, you can also visit the website:  
[https://www.khonselvse.com/khons\\_app\\_download/index.html](https://www.khonselvse.com/khons_app_download/index.html).

**4.1.2** Open the application and refer to the instructions in the user center to register a personal account.

**4.1.3** Please use your registered email address to send an email to reset new password when you forget the password. The method is the same as the first account registration.

### 4.2 Register the device information.

**4.2.1** Login your personal account and add the device according to application reminder.

**NOTICE 1:** Please make sure that the smart phone connected with Ab 4G wireless or 2.4G Wifi network and that the camera works properly.

**NOTICE 2:** The QR Code is usually on the device.

**NOTICE 3:** You need to enter the WIFI Password manually when the device is brand new or the WIFI setup is changed.

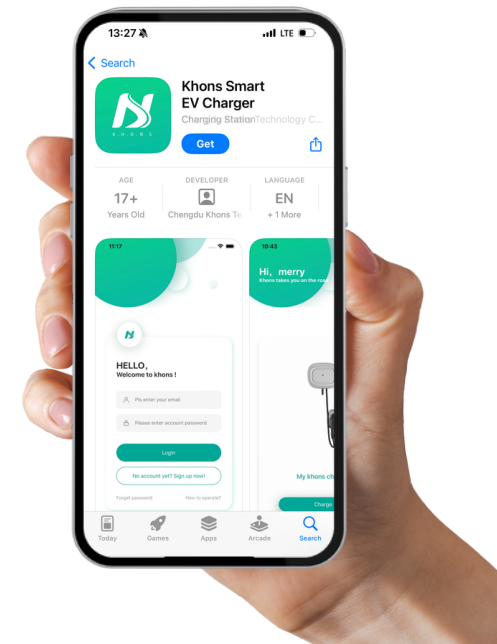
**4.2.2** You can register multiple devices in the Khons Application. The method of registered the device as shown Claus 4.3.1

### 4.3 Charge mode

**4.3.1** It takes about 30 seconds for the device to start.

**4.3.2** Working mode

Working Mode	Range	Operation Method
RFID/NFC Module	D	Electronic Key
	C	Refer to the Software Application
4G Wireless Module	C,D	
2.4G WIFI Wireless Module	C,D	
Lan Interface	C,D	
<b>Remark</b> 1. C = Commercial Use 2. D = Domestic Use 3. The RFID/NFC, 2.4G WIFI and 4G Modules are optional except the LAN Interface.		

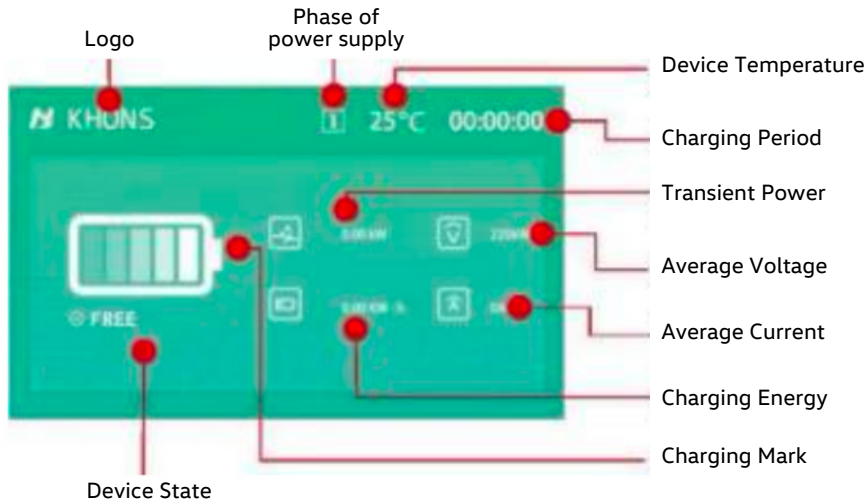




## 4.4 CONFIGURATION

### 4.4.1 Instructions

Figure 4 : Device Interface Instruction



### 4.4.2 Device State

Status	LED Indicator	Description
Free	Light	The power plug is connected but the EV connector is disconnected.
Connect	Blink	The power plug is connected but the EV connector is connected
Charging	Breath	The Device is charging

## 5. ERROR/WARNING MESSAGE

Error/Warning Message	Description	Solution
Overtemperature	The temperature of the device beyond the upper temperature limits 80°C.	
Leakage current	The leak current of the device beyond the special limits.	
Cable error	The cables of the device was broken, or the cables can't match the device.	
Hardware error	The hardware of the device was broken.	Close power supply and contact the manufacturer or agents.
Calibration error	The calibration process error.	
RFID/NFCerror	The module of RFID/NFC was broken.	
Over current	Output current of the device beyond the 1.2 time rated current.	Close power supply and check electric vehicle.
No ground	The device was not grounded.	Close power supply and check the distribution grid.
Phase error	The phase of power supply error.	Reconnect the terminals.
*High temperature	The temperature of the device beyond 70°C but less than the upper temperature limit 80°C.	Check ambient temperature.
*High voltage	Input voltage of the device beyond the upper voltage limit 265 Vac for single-phase systems or 450Vac for three-phase systems.	Close power supply and check distribution grid.
*WIFI disconnected	WIFI was disconnected.	Check the WIFI network.
*4G disconnected	4G was disconnected.	Check the 4G network.
*EV connector error	The EV connector is failed or disconnected from Electric Vehicles.	Close power supply and re-insert the EV connector.

### WARNING

IN ORDER TO ENSURE SAFETY OF PERSONS AND PROPERTIES, YOU MUST DISCONNECT THE POWER SUPPLY AS SOON AS POSSIBLE WHEN THE DEVICE FAILS.

PLEASE DON'T PULL OUT THE EV CONNECTOR WHEN THE ELECTRIC VEHICLE IS CHARGING

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[www.xr-evcars.com](http://www.xr-evcars.com)