AC EV Charging Station

User Manual



Symbol meaning

symbol	meaning
	"Non-recyclable" mark: located on the product, instruction manual or package, indicating that electrical and electronic equipment and its accessories should be treated separately from ordinary household waste.When scrapped, it should be treated as industrial waste,otherwise it may cause accidents.
	Warning sign: indicates danger. Pay attention to the personal injury that may be caused by operation procedure or incorrect operation. Actions after the "warning" mark can only be performed when the conditions indicated by the condition are fully understood and satisfied.

The company is committed to the continuous improvement and update of the product, product hardware and software will continue to upgrade, the information provided is subject to change without prior notice.

version: V2.0

Catalogue

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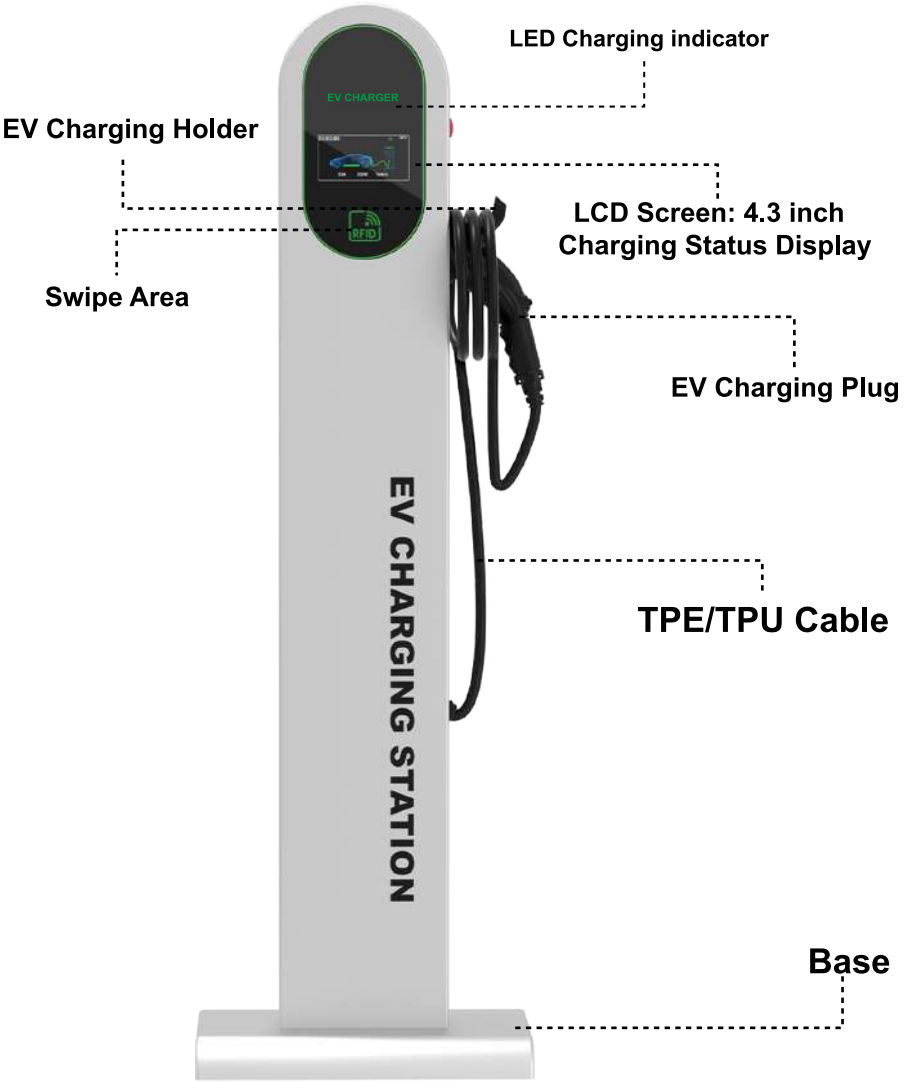
Card system 12

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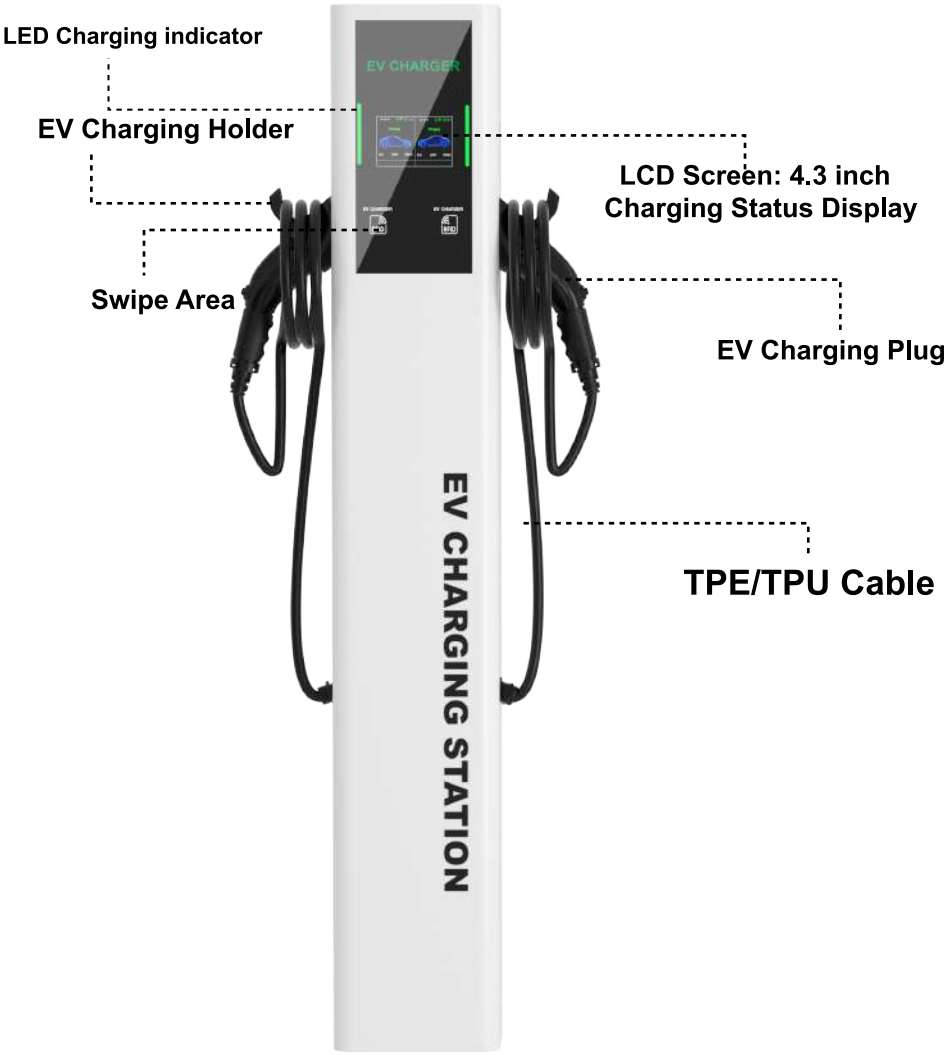
Product overview

Model:S03



Product overview

Model:S04



Product function

1. It has card swiping start and remote stop start, and is equipped with rechargeable IC card.

2. Reservation charging function, which can be charged regularly according to user needs, and it will automatically end when fully charged.

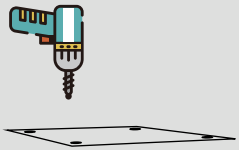
3.Equipped with display screen, real-time display of charging information estimate fill time.

4. With overload protection, over voltage protection, under voltage protection, short circuit protection, over temperature protection, emergency stop and other functions.

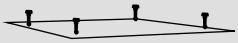
Basic parameters

parameter	
Working voltage	Single Phase: 110V - 250V AC Three Phases: 380V - 480V AC
Frequency	50 HZ / 60 HZ
Rated power	7KW (AC) 11KW (AC) 22KW (AC)
IP Rating	IP54
Use environment	
Working temperature	-35℃ ~ +55℃
Working humidity	5%~95%HR
The cooling way	Natural air cooling
Display function	
Display parameters	Charge voltage, charge current, charge quantity fault code.
Fuselage size	
Model:S03	1500*330*220mm
Model:S04	1500*240*160mm
Installation mode	Column mounted (floor mounted) or wall mounted Install optional

Installation steps

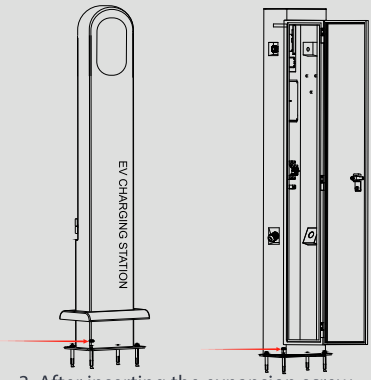


1. Drill holes using the drilling template



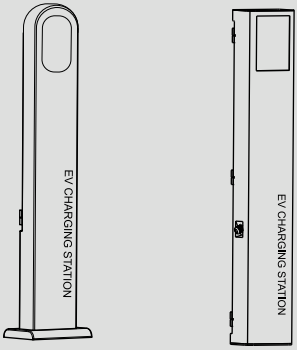
2. Hammer the M10.0 expansion tube into the wallhole

Model: S03 Model:S04



3. After inserting the expansion screw, align the bottom of the charging pile with the hole and screw on the hexagonal nut to secure it.

Model: S03 Model:S04



4. After tightening the nut, put down the cover base.

Install Instructions

Specification for electrical box at input:

1.The power distribution box at the input end of each AC charging pile shall be equipped with leakage air switch with rated current no less than 40A.

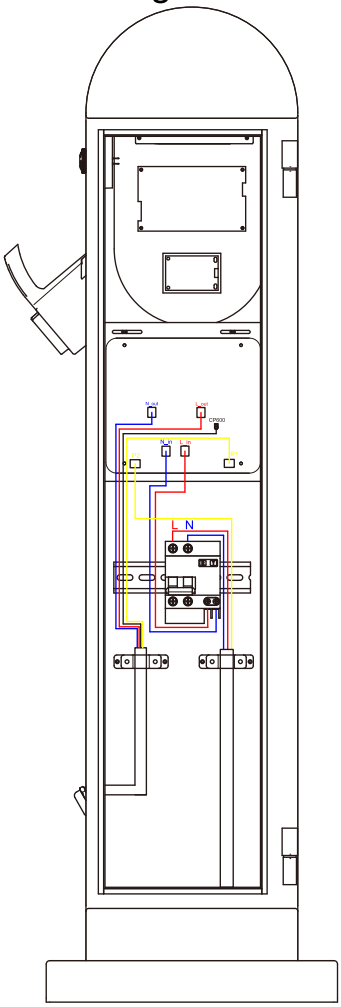
2.Select anadaptive molded case circuit breaker according to the current of the AC charging pile (32A required for a single AC pile).

3. Power cables for ac charging piles (cables between air breakers and AC piles) must meet the rated capacity of at least 32 A. single-phase power is recommended.The recommended voltage range is AC 230V±10%.

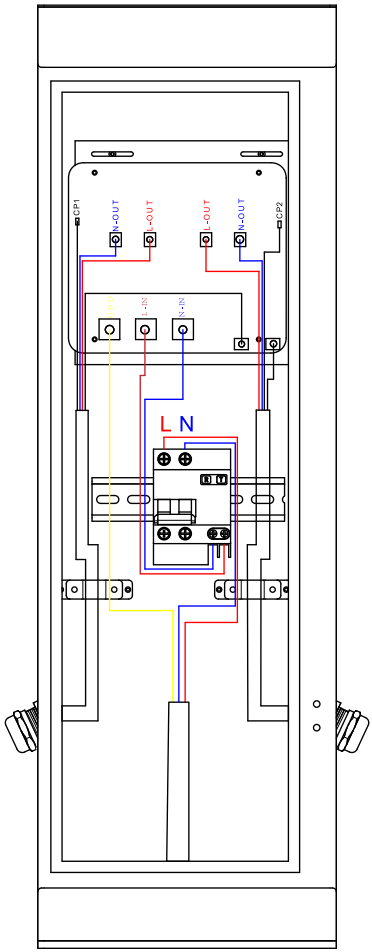
4.50Hz/60Hz power supply, make use of 6mm² copper core cable; When installing AC chargingpiles, ensure that the PE cables are properly grounded.

Wire Connection Instructions

Single Gun



Double Gun



Connect the power cord to the L and N markings of the circuit breaker.

After connecting the L and N wires, connect the PE wire on the PCBA board

Fault indicator prompt

Model: S03



wait for
Indicator light: Blue , always on



Charging / charging completed
Indicator light: green (flashing / always on)



The fault
Indicator light: blinking red

Model: S04



wait for
Indicator light: Blue , always on



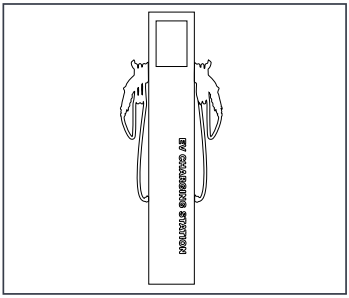
Charging / charging completed
Indicator light: green (flashing / always on)



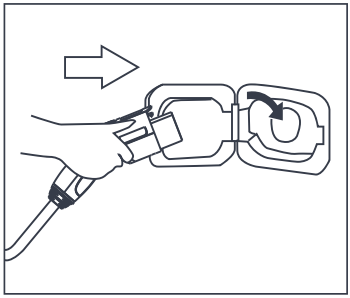
The fault
Indicator light: blinking red

LED status	Charging status
Blue light	Ready
Green light	Charging completed
Breathing light	Charging
Red light	Fault

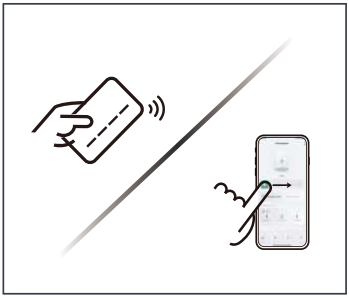
Charging instructions



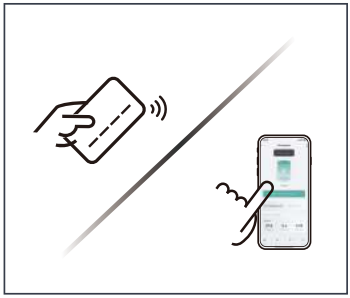
1.Make sure the charging pile is properly connected to the power supply



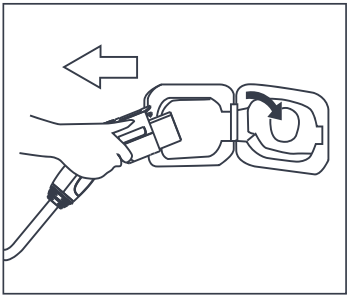
2.Put the charging plug Connect the on-board charging interface



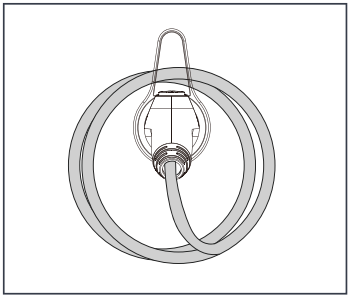
3.Use swipe card or APP to startit.



4.Click the APP or swipe the card to end

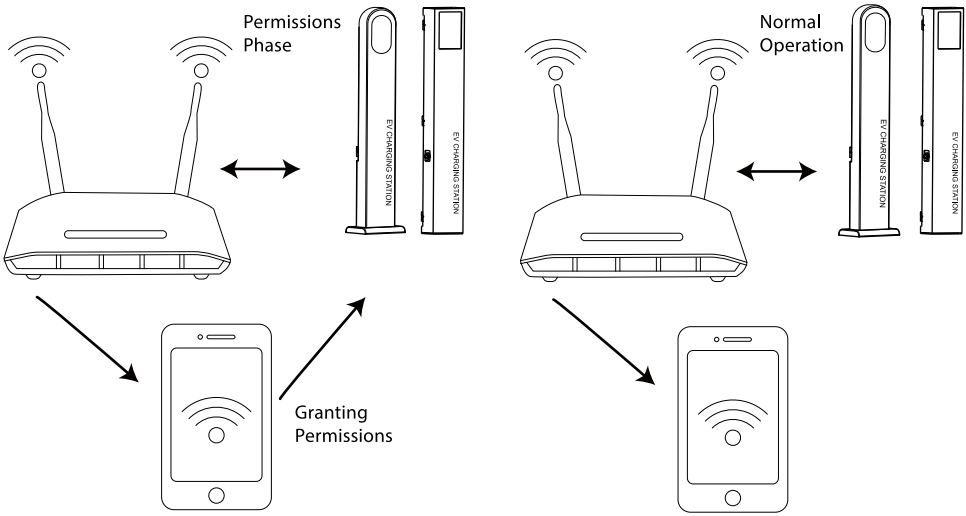


5.Unplug the charging plug



6.Unplug the charging plug put it back

Wifi/Wireless Configurate [For APP version]



The EV Charger (WIFI Model) supports wireless charge monitoring and control. Wireless charge monitoring and control requires the user to have an accessible local router (2.4G) as well as a smartphone capable of operating the Tuya application (APP).

WIFI QUICKSTART GUIDE

1. Download Tuya Application either from Google or Iphone Appstore.

2. Plug in the EV Charger – Note the charger only searches for connectivity within the first 30 seconds of turning on. To reset Smartphone App (WIFI) search connectivity please see below:

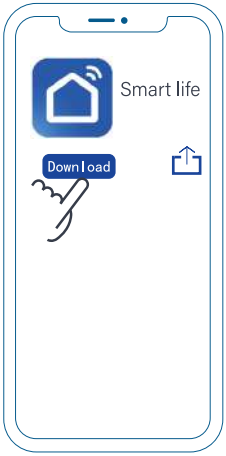
Application download [For APP version]



Step 1: Scan the QR code to the app store for download the APP : smart life



Step 2: Click from the link



Step 3: Click to download and install

Add equipment

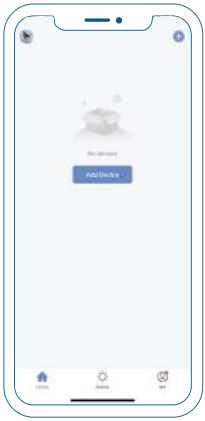
[For APP version]



Enter the APP

Step 1:

Click to enter APP



Add equipment

Step 2:

Top right corner + open point

Select Add device



Access permissions

Step 3:

Need to allow app access to mobile phone



Search equipment

Step 4:

The first connection to the device requires the mobile phone and the device to match under the same WiFi condition

App function

[For APP version]



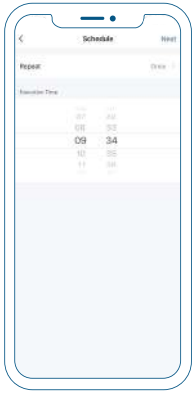
Charging

Slide right to the bottom and switch on charging



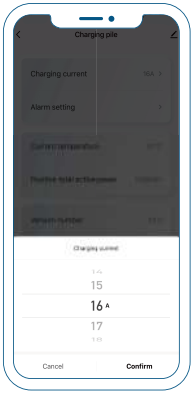
Record of charging

View historical charging records



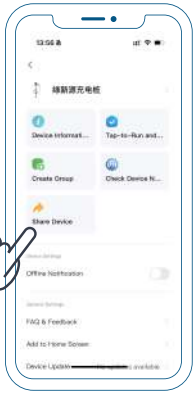
Adjust the time

Selecting an appointment time



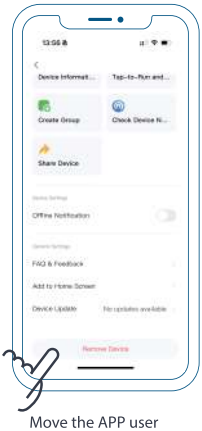
Adjust current

Slide up and down to set charging current



Share the APP

share the APP link to you family by whatsapp or line or wechat or message ;



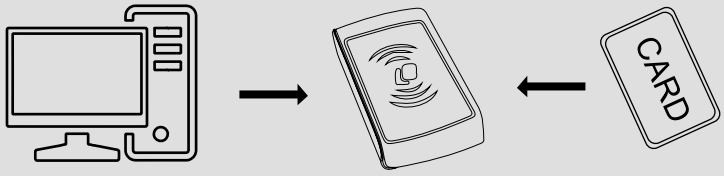
Move the APP user

Can disconnect and remove the charging device through the app

Card system

SMART EV CHARGER SYSTEM SOFTWARE

Setting User Card



1. Connect the card reader to the computer USB port
2. Open the computer card system and set the user type card

User type cards can be set through the card reader to manage charging piles

CARD $	**Amount card :** Recharge amount card, the recharge amountis unlimited. After the balance is used up, thecard will be suspended, or it can be rechargedagain.
CARD	**Date card:** Use within the set date, unlimited times andpower.
CARD	**Power card:** Set the amount of electricity , after the remaining power is used up, it will be suspended, or it can also be used for secondary recharge.
CARD 1	**Times card:** Set the use times, unlimited the single use of electricity.



Fault code

Error code	Protection function	Solution
Error -A	Over-temperature Protection	1. Check the load current if too large. 2. Remove the EV charger connector and the power plug ,Then try again after cooling, if there is still Error -A, contact the sales staff ;
Error -B	CP Short circuit	1. Remove the EV charger connector and the power plug,Then plug in the power plug: 2. If Error-B does not appear in the LCD screen, CP short circuit exists at the end of the car; 3. If Error-B still appears on the LCD screen, please contact the sales staff
Error -C	Over-voltage Protection	1. Check if the power supply voltage exceeds the protection voltage: GB/T and Type 1 and Type 2 does not more then 275V. 2. If the voltage of the power supply terminal is too high, waiting until the voltage of the power becomes normal. 3. If the power supply terminal voltage is stable, but the EV Charger still displays Error -C, please contact the sales staff ;

Error -D	Under-voltage Protection	1. Check if the power supply voltage exceeds the protection voltage ;GB/T and and Type 1 and Type 2 does not more then 85V. 2. If the voltage of the power supply terminal is too low, wait until the voltage of the power supply becomes normal. 3. If the power supply terminal voltage is stable, but the EV Charger still displays Error -D, please contact the sales staff;
Error -E	Ground protection	Check if there is a connecting ground wire
Error -F	Short circuit protection	1. Remove the EV Charger connector and the power plug, Then plug in the power plug : 2. If the EV Charger can be used normally, there is a short circuit at the end of the car; 3. If Error-F still appears on the LCD screen, please contact the sales staff ;
Error -G	Leakage Protection	1. Remove the EV Charger connector and the power plug, Then plug in the power plug : 2. If the EV Charger can be used normally, there is a leakage short circuit at the end of the car; 3. If Error-G still appears on the LCD screen, please contact the sales staff ;
Error -H	others	Please contact the sales staff;