EV AC Charging Pile

An instruction manual



Model No. PEEV-ACK006-1G

(Please read this manual carefully before using this machine)

Dear user:

HELLO!

Thank you for choosing our AC charging pile productTo help you correctlyuse operate, maintain, check, troubleshoot, and maintain this AC charging pile product, Please read this user manual carefully before use, Please follow this user manual when using it,Please also keep this user manualsafe

If you encounter any problems during use, please contact our after- sales service center: 4001602660, there will be professionals to answer your questions.

Inresponse to the need for continuous product improvement, this information product shall be subject to physical products, and our company reserves the right to update the product

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Safety rules

- Any faults that may affect the safety of the charging pile must be removed by professional maintenance personnel.
- Do not install or use this product near flammable, explosive, rough, or combustible materials, chemicals, or steam. This product is strictly forbidden to be used after soaking in water, normal rain can be used, so try to avoid heavy rain.
- Charging piles are installed by professional technicians, and unauthorized installation changes cause safety accidents, if the loss is caused, the company does not assume any responsibility.
- During the installation and replacement of the charging pile, it is necessary to cut off the power supply to prevent electric shock. The installation of charging piles and the connection to the power grid must be operated by professionals. Do not use a private generator as a charging power source.
- The cable of the charging pile must be firmly connected and well insulated, and loose and damaged connections will cause circuit failure, and in severe cases, casualties or fires. When charging, try to avoid wire grabbing and winding, and try to avoid grabbing the wire and

ground friction and damaging the outer cover of the cable.

- The dropped charging pile cannot be installed directly even if the appearance is not damaged, and must be checked by a professional to determine whether it can be installed.
- When charging with this product, if there is a child nearby, it is recommended to exercise reasonable restraint on the child, and it is strictly forbidden to operate pull, or play around with the product.

The operating temperature range of this product: -30 ° C 50 ° C. Do not operate at temperatures outside this range. The tip and vehicle interface are coupled into place, and the green indicator indicates that the connected vehicle is OK. Try to avoid exposing the charging gun to the rain so as not to cause unnecessary losses. Do not touch the metal conductor during the charging process to withstand large currents to prevent electric shock accidents. After charging, first disconnect the charging button on the car, and then press the mechanical lock hook on the charging gun, remove the charging gun, and place the charging gun in place, it is strictly forbidden to discard the charging gun on the ground, so as not to cause damage to the charging gun.

Incorrect installation and testing of this product may damage the

vehicle's battery, components, or the product itself. Any damage caused as a result is not covered by the warranty.

Introduction to charging piles

The company's AC charging pile is a charging device developed to meet the changing needs of new energy vehicles and is used in conjunction with electricvehicle onboard chargers to provide charging services for electric vehicles.This product is easy to install, small footprint, is easy to operate, stylish appearance, suitablefor private parking garages, public parking lots, residential parking lots, enterprise parking lots, and other types of open-air and indoor parking lots.There are no corrosive gases such as acids and alkalisin the surrounding environment to avoid affecting product performance. Try to avoid direct rain or excessive humidity in the environment, and should try to prevent damage caused by impacting theshell.Because this product is connected to the mains, the electric vehicle is safely and reliably charged by the charging gun interface.For high-voltage equipment, please do not disassemble the housing or modify the wiring of the equipment yourself.

2 Product composition

Thecharging pile is mainly composed of the main body of the charging pile, the installation back plate, the charginggun line, and the installation of the ingredient pack.

2 Main features of the product

1) Adopt a4.3-inch display, equipped with LED statusindication, the charging process is clear at a glance.

2) With Ethernet/4G network onlinecommunication function, online controland payment

function can be realized.

3) Perfect system protection function: overvoltage, Undervoltage protection, overcurrent protection, short circuit protection, leakage protection, over-temperature protection, lightning protection, product operation is safe and reliable

4) Data storage and fault identification.

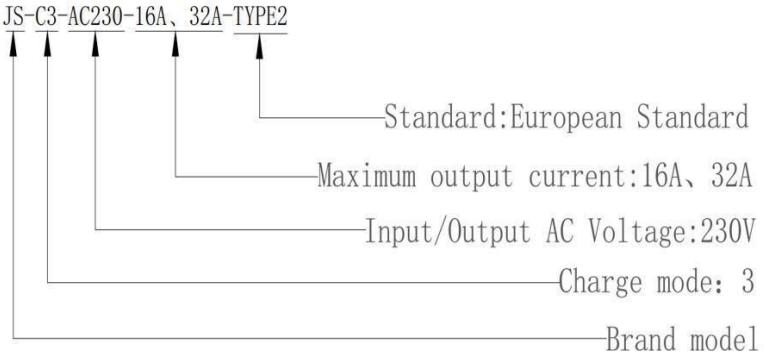
5) Accurate electricity meteringand identification function to increase user confidence.

6) The whole machine structure adopts a rainproof and dustproof design, with an IP54 protection level, suitable for indoor and outdoor, and widely used in the environment.

7) Easy to install, operate and maintain.

8) Security and anti-theft

3 Model description

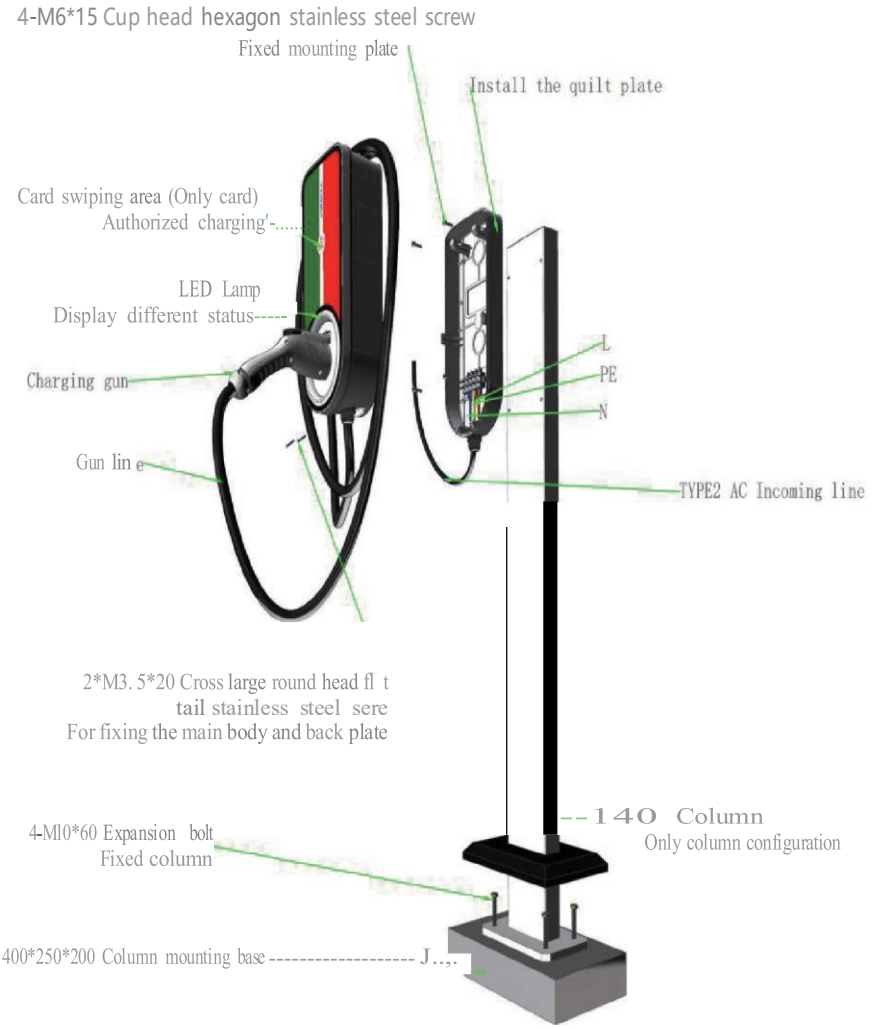


.=.,Main technical parameters

C3 pattern AC charging pile parameter/type2		
Name/Model		JUSHI EV-ONE/TYPE2 / JSC3AC23016A, 32A-1YPE2
Electrical parameters	Iuput l/V	Single phase 16A, 32A/AC230V±20%
	Input frequency	5OHz
	Number of input	1
	Output 1/V	Single phase 16A, 32A/AC230V±20%
	Maximum power	3.SKW/7.2KW
	Iuput cable	3*4mm²/3*6mrri2
	Charging gun	250V/16A, 32A
Electrical index	Current limiting protection	110%
	Voltage stability accuracy	1% (Load current variation:0%-100%)
	Current stability accuracy	:::,1% (Output rated current:20%-100%)
	Current harmonic	<5% (Load:50%-100%)
	Efficiency	96%
	Power factor	>0.99 (load:50%-100%)
	Output ripple	:<o: ±0.5% Cload currentvariation:10%-100%, Output voltagevariation:85%-115%)
Charging equipment	Overall dimension (mm)	H179.5'W145.S'T421
	Weight (KG)	About:6-7KG
	Shell material/color	PC+ABS Flame retardant and fireproof, UL-94 VO/White
	Cable length	5/10m(Optional)
	Interface	No screen/4.3 inches LCD color display (Optional), LED indicator light
	Installation mode	Wall hanging/to ground (Optional)
	Routing mode	Lower incoming line (L, N, PE), G u n line (L, N, PE, CP, PP)
	Control mode	Plug and play, Charge by swiping card, 4G networking, Ethernet networking: Optional
	Charge mode	Autofill, Constant power, Fixed amount. Fixed time: Optional
	Payment method	Card payment. Online payment: Optional
	Communication mode	4G/Ethernet (Optional)
	Measurement accuracy	0.5 Level
Safety design	Connection communication mode	DIN70121/ISO15718
	Communication protocol	OCPP1.6J
	Charging interface type	IEC62196-2, 1YPE2
	Connection standard	IEC61851
	Protection function	Overvoltage protection, Undervoltage protection, Overload protection, Short circuit protection, Grounding protection, temperature protection, Low-temperature protection, Insulation monitoring and protection, Polarity reverse protection, Lightning protection, Emergency stop protection, Leakage protection
	Use environment	Outdoor/indoor
	Ambient ternperature (c)	-30'C~S0'C
	Storage temperature (c)	-40 C-80 C No corrosive gas
	Working humidity	5%-95% No frost
	Working altitude	Less than:2000m

Environmental indicators	Three prevention protection	Moisture-proof/Mildew proof/Salt fog prevention
	Protection level	IP54
	Cooling mode	Forced air cooling
	Noise control	<65dB
	Safety index	Insulation resistance greaterthan:10m Q, Withstand voltage:1500V 1min
	MTBF	30,000H

Description of the appearance of the whole machine



Instantiation

5. 1 Please check the box before installation if it contains the following items

No.	Material name	Company	Quantity
1	Subject	PCS	1
2	Instructions	PCS	1
3	Certificate	PCS	1
4	ICCard (Only paybycard)	PCS	2
5	Install the backplane	PCS	1
6	8*60Expansionbolt (Only Wallhanging)	PCS	5
7	MI0*60Expansionbolt (Only floortype)	PCS	4
8	Column (Only floor type)	PCS	1
9	6*15Screw (Only floortype)	PCS	4
10	Inspectionreport	PCS	1
11	Packinglist	PCS	1

5.2 Installation environment requirements

1) The charging pile is a universal charging pile for indoor and outdoor, which meets the IP54 protection level and can be installed in the open air.

2) Please be sure that the ambient temperature is in the range of- 30° C~+50° C.

3) The installation site shall not be higher than 2000 meters above sea level.

4) There should be no violent vibration and flammable and explosive materials near the installation site.

5) The installation site should not be in low-lying areas or areas prone to water accumulation.

6) Pile installation must have wall support, if there is no wall support, it is recommended to use a special floor-standing column for installation and fixing.

7) When the pile is installed, the pile should be guaranteed to be vertical, and the reference data of the height of the charging pile from the ground should be guaranteed (1.3-1.5 meters)

5.3 installation wiring method

This product is for safety reasons, only professionally trained personnel can install charging piles, please do not install them themselves.

Figure 1 is a wall-mounted installation:

1) Reference data on the height of the charging pile from the ground (1.3-1.5 meters)

2) Mark the hole position on the wall according to the position of the installation hole on the back plate. Use impact dri11ing to punch holes (Φ8*65), then put in the M8*60 plastic expansion tube, and tighten the screws through the hanging plate.

3) Equipment is equipped with an input cable at the factory, if you need to extend the length of the input cable, please be sure to extend it according to the correct cable connection method. Connect the three cables (Fire Wire L, Zero Wire N, Ground Wire PE) into the terminal block according to the wiring identification, and complete the wiring; (due to the large current of the equipment, the extension should ensure a reliable connection at the connection);

4) To prevent the risk of electric shock, the device should ensure that the input ground wire is firmly grounded.

Figure 1

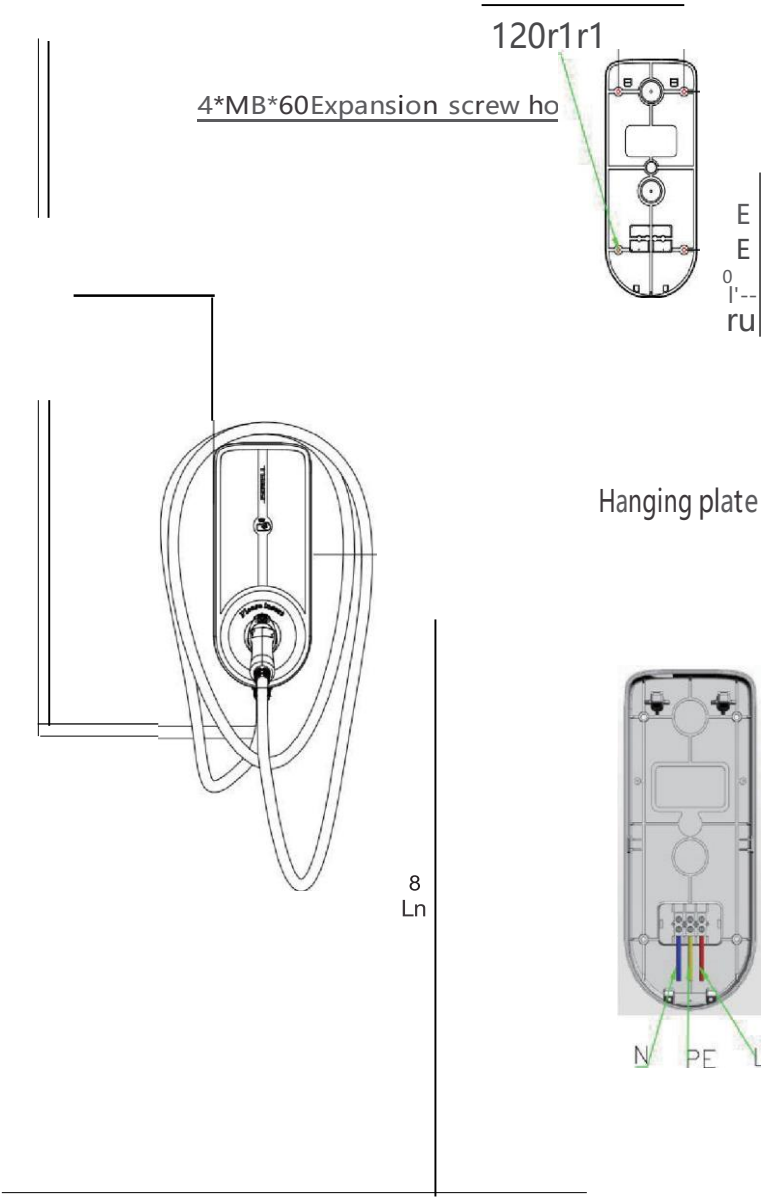

120r1r1
4*MB*60Expansion screw ho
E
E
0
I'--
ru
Hanging plate
8
Ln
N
PE
L

Figure 2 is a column installation:

1) Charging pile concrete foundation strength C25, underground part 400MM, aboveground part 200MM, concrete shape size: 400*250MM, foundation center buried outlet pipe, column with 4-M10*60 expansion screw fixed on the foundation.

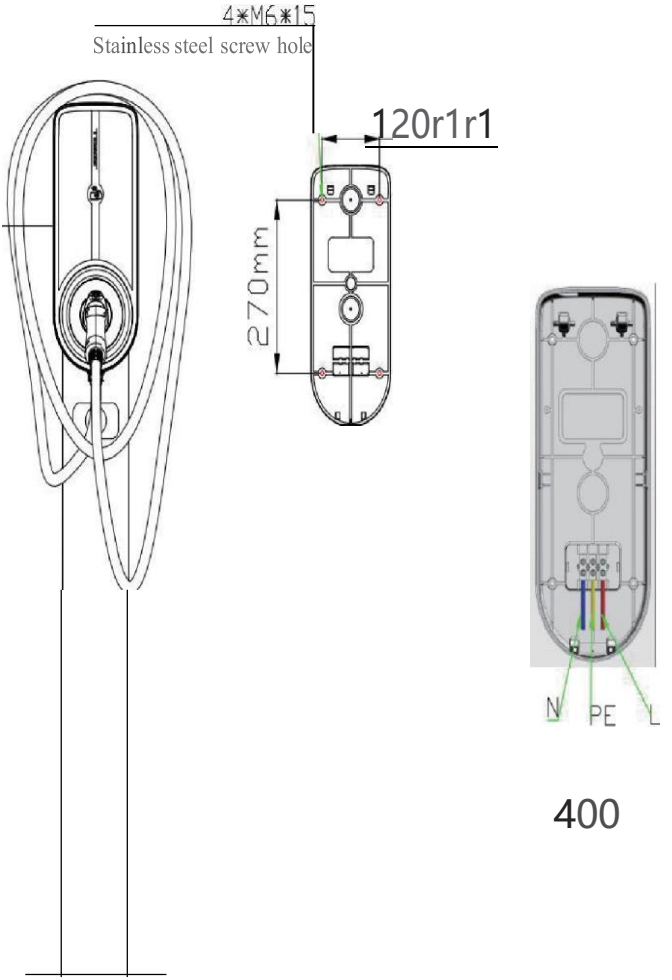
2) Lock the back plate with M6*15 stainless steel screws on the column.

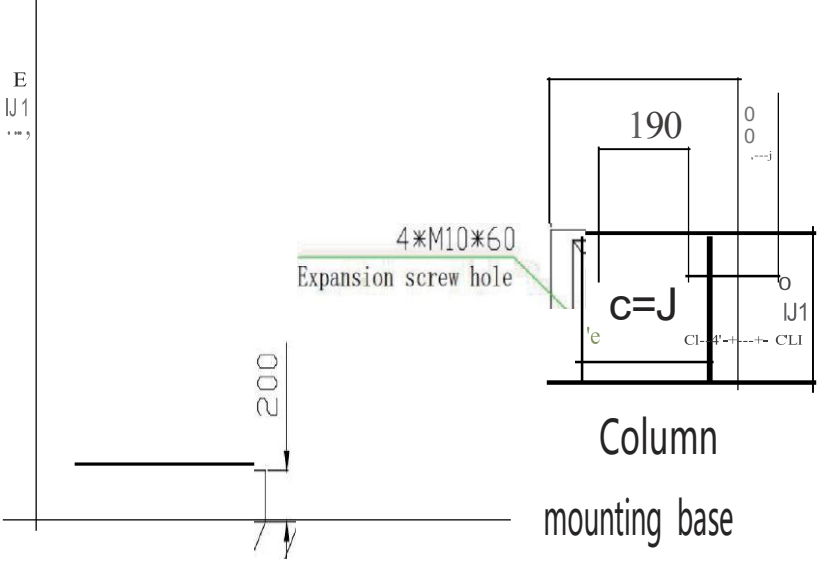
3) The inlet line is pulled by the foundation-embedded pipe through the inside of the column to the outlet access special socket.

4) The equipment is equipped with an input cable at the factory, if you need to extend the length of the input cable, please be sure to extend it according to the correct cable connection method. Connect the three cables (FireWire, Zero WireN, Ground Wire PE) into the terminal block according to the wiring identification, and complete the wiring; (due to the large current of the equipment, the extension should ensure a reliable connection at the connection);

5) To prevent the risk of electric shock, the device should ensure that the input ground wire is firmly grounded.

Figure 2

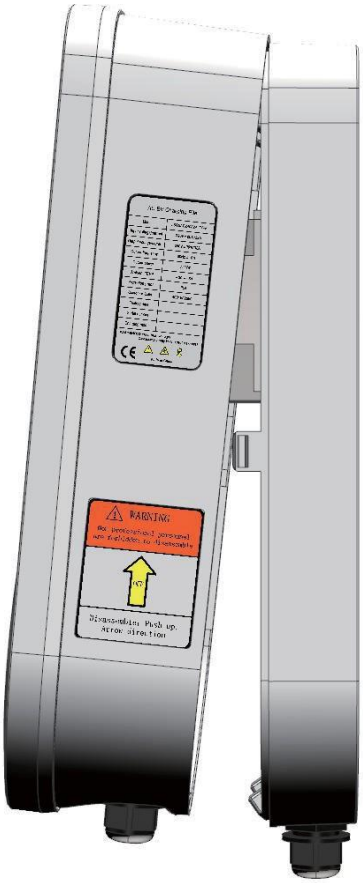




5.4 Disassembly mode

This product is for safety reasons, only professionally trained personnel can install/remove the charging pile, please do not install /disassemble yourself.

Disassemble this charging pile and push the main part of the product hard in the direction indicated by the product arrow in the figure above before disassembling. Do not use hard objects and sharp objects to knock.


WARNING!
Disassembly: Push up,
arrow direction

Operating instruction

6.1 Description of light strip control logic

Light band status description			
Priority:Thewarninglightisdisplayedfirst,Thechargingl amp takessecondplace,Connectthelamplast			
Indicator definition			
No.	Color	State	
1	Thebluelightisalwayson	Standby	
2	Thegreenlightisa lw a y s on	Ready to charge	
3	Thegreenlight flashes	Charge	
4	The greenlightisa lw a y s on	Charging complete	
5	Red flashing	Fault	
Warningindicator(Red)			
No.	Color	Second(s)	Fault
1	Flashonce	5	Emergencystop
2	Blinktwice	5	Ungrounded
3	Blink3times	5	CP Error
4	Flash4 times	5	Overcurrent
5	Blink5times	5	Overpressure
6	Flash6times	5	Undervoltage
7	Flash7 times	5	Relay adhesion
8	Blink8times	5	Electric leakage
9	Blink9times	5	Overtemperature
10	Flash10times	5	Watt-hour meter

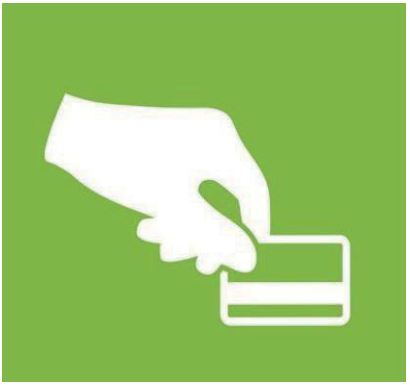
6.2 Charging pile operating instructions



1 Plug and play operation process

-,¢,- Owner parking lock car - connect charging gun - start charging (light flash)

-,¢,- Charge when you come, go when you are finished, and completely insensitive



2 Swipe to start the operation process

-,¢,- Car owner plug -- owner swipe authentication card - start charging (light flash).

-,¢,- This card is an important certificate to provide customers with charging services, please keep it safe without reporting the loss function, if you have lost, please contact the customer personnel to apply for a replacement card

***If the ethernet or 4G AC charging pile is required, customers need to apply for local docking communication protocol: OCPP1.6J**

Precautions for use

1) The power supply use must be consistent with the requirements of this equipment, and the three-core power cord must be reliably grounded.

2) Please strictly follow the design parameters and conditions of use during use, and do not exceed the threshold in this user manual, otherwise, it may damage the equipment.

3) Please do not change the specifications of electrical components, do not change the internalwiring or graft other wiring

4) After the charging pile is installed, if the charging pile cannot start normally after thedevice is connected to the power supply, please check whether the power connection is correct.

5) The equipment has limited dustproof and waterproof capabilities, and the use process should pay attention to anti-static, moisture-proof, waterproof, etc., such as the equipment that has entered the water should be immediately cut off and stopped.

6) The device has a limited anti-theft function, please install it in a safe and reliable environment.

7) Please do not have a current live plug and unplug the charging gun during the charging process, so as not to cause irreversibledamage to the charging pile and the car.

General fault description

Fault phenomenon	Possible causes	Handle
Charging pile LED or display screen is not on	The power supply is not connected properly	Check whether the power cord is energized and whether the power switch is closed
	Circuit breaker tyip	The charging pile has the function of leakage protection,The circuit breaker switch needs to be closed
	Equipment damage	Consulting customer center
Unilbı e lo stilrt charging	Charging gun not fully connected	Check whether the charging gun is firmly connectedwith the vehicı e,Ensure that the charging gun is inserted in place
	Charging pile does not match IC card	Please use the correct ICcard to charge
	Emergency stop button	Reset the emergency stop switch
Chilrgi ng current ı ess than rated value	Equipment failure or vehicle approaching full load	The vehicle is nearly full and the current drops, which is ıı nonllill condition,If not please consult the customer center
Equipment fault light	The fault light flashes	Consul ting customer center
	The fault light is always on	Consul ting customer center

Fault description

***If the product size and parameters change, The latest information of the company shall prevail, Without notice**

Annex I

Warranty card Product

name: JUSHI EV-ONE/TYPE2 3.5KW/7.2KW Product

power: 3.5KW/16A 7.2KW/32A

The warranty period of this product is two years, Please keep the warranty card properly, Use this page as the product warranty certificateo

During thewarranty period, According to {Warranty regulations», Rrpair ito

CNA: _____ TEL: _ CALA: _____

_____

1. Warranty content:

1. Warranty content:

2. Warranty content:

2. Warranty content:

.3. Warranty content:

3. Warranty content:

After-sale:

Customer signature: After sale:

Annex II

Warranty Regulations

1. The warranty of this product is two years, please provide the purchase voucher at that time, As the product warranty certificate
2. The charging equipment has some problems, all can enjoy the relevant warranty regulations:
3. Unable to provide warranty certificate, Or the contents on the warranty certificate are inconsistent with the physical identification of the repaired goods or altered;
4. No corresponding;
5. Beyond warranty period;
6. Damage caused by failure to use, maintain, and keep the product by the requirements of the product user manual;
7. Damage or failure caused by foreign matter entering;
8. Damage causedby unauthorized disassembly;
9. Due to force majeure (Such as thunder and lightning, the voltage is too high, Earthquake, Fire, Flood, and Other natural disasters) Cause damage;
10. Failure and damage caused by other unavoidable external factors;
11. Improper use may result in water ingress into the equipment or damage caused by other solutions;
12. Damage caused by voltage when using a power supply other than the specified one
13. For products beyond the warranty period or products not covered by the warranty, we provide paid maintenance services
14. Only the above guarantee is made No other warranties, express or implied, are made (This includes marketability, Implied guarantee for the rationality and adaptability of a specific application), The Company shall not be liable for any special occasional or indirect damages, whether in contract, civil negligence or other aspects.