Portable EV Charging Station Manual

It is recommended to read the instructions before use

Thank you for purchasing and using feyree mode II charger.
It is recommended to read this manual before use

CAUTION!

CAUTION: this symbol indicates what the user should pay attention to. Improper operations can lead to user security issues or a degree of hardware damage.

WARNING!

CAUTION: this symbol indicates what the user should pay attention to. Improper operations can lead to user security issues or serious hardware damage.

CAUTION!

- Do not immerse the AC charging connection device in water
- It is forbidden to step on the charging cable, pull the cable, bend or knot the cable
- Do not drop the control box or press heavy objects on its surface
- It is strictly forbidden to place the equipment near objects that will produce high temperature during charging
- The operating ambient temperature of the equipment shall not exceed -30 ℃ ~ +55 ℃

WARNING!

- Do not use the device when the charging line is damaged
- Only for electric vehicle charging
- This product must be well grounded when used
- Do not use external wires or adapters
- Never put your fingers into the charging plug
- This product does not contain user maintainable parts. Please do not attempt repair and maintenance by yourself
- If the device cannot be charged normally according to the operation manual, please contact the seller or replace it

Precautions

Insure power plug and socket are consistent before charging

Do not charge if the socket is damaged, rusty, cracked or the connection is too loose

If the socket is dirty or wet, please cut off the power first. Wipe the plug with a dry and clean cloth to make sure the charging plug is dry and clean

Ensure the charging connector, cable connected to control and plug surface are not scratched, rusty, broken or damaged, and other abnormal conditions

Precautions

In order to guarantee the service life of the charging cable and reduce the risk of use, if the charging box is charged with the cable over a long distance Electric box (>=10m),users should pay attention to:

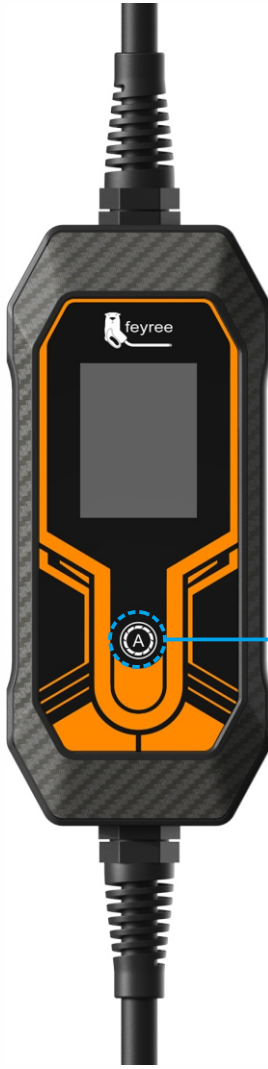
CAUTION!

- When charging in crowded places, users should lay the cable horizontally as far as possible
- If the cable length is too long, avoid pulling the cable
- The cable shall be placed on a flat road without sharp gravel and glass fragments
- Avoid using in corrosive liquid, flammable dust and strong corrosive environment
- When crossing road sections in public passages or outdoors, bridges or underground crossing passages shall be built, especially to prevent repeated rolling by heavy vehicles
- The cable itself is heavy, and vertical suspension shall be avoided as far as possible. It is easy to be affected by wind, long-term swing vibration and reduce the service life of the cable

Product parameters

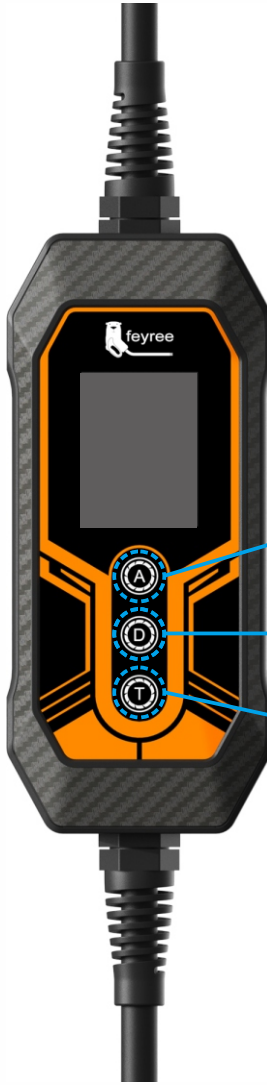
Power Rating	7.6KW				11KW				22KW			
APP	/	●	/	●	/	●	/	●	/	●	/	●
Type A RCD	●	●	/	/	●	●	/	/	●	●	/	/
Type B RCD	/	/	●	●	/	/	●	●	/	/	●	●
Power supply system	Single Phase				Three Phase				Three Phase			
Rated voltage	85V-264V				380V±20%				380V±20%			
Rated current	8-10-13-16-25-32A				8-10-13-16A				8-10-13-16-25-32A			
Input Frequency	47Hz~63Hz				47Hz~63Hz				47Hz~63Hz			
Protection level	IP55		IP65		IP55		IP65		IP55		IP65	
Working temperature	-30℃ ~ +55℃				-30℃ ~ +55℃				-30℃ ~ +55℃			
Storage temperature	-40℃ ~ +80℃				-40℃ ~ +80℃				-40℃ ~ +80℃			
Standby power	<3W				<3W				<3W			
Working humidity	5% ~ 95% non-condensation				5% ~ 95% non-condensation				5% ~ 95% non-condensation			
L*W*H	227*100*56.5 mm				227*100*56.5 mm				227*100*56.5 mm			
Cable Specification	3G 6mm²+1*0.5mm²				5G 2.5mm²+1*0.5mm²				5G 6mm²+1*0.5mm²			

Power Rating	Level 2-7.6KW				Level 2- 9.6KW				Level 2-12KW			
APP	/	●	/	●	/	●	/	●	/	●	/	●
Type A RCD	●	●	/	/	●	●	/	/	●	●	/	/
Type B RCD	/	/	●	●	/	/	●	●	/	/	●	●
Power supply system	Single Phase				Three Phase				Three Phase			
Rated voltage	85V-264V				85V-264V				85V-264V			
Rated current	8-10-13-16-25-32A				8-10-13-16-25-32-40A				8-10-13-16-25-32-40-50A			
Input Frequency	47Hz~63Hz				47Hz~63Hz				47Hz~63Hz			
Protection level	IP55		IP65		IP55		IP65		IP55		IP65	
Working temperature	-30℃ ~ +55℃				-30℃ ~ +55℃				-30℃ ~ +55℃			
Storage temperature	-40℃ ~ +80℃				-40℃ ~ +80℃				-40℃ ~ +80℃			
Standby power	<3W				<3W				<3W			
Working humidity	5% ~ 95% non-condensation				5% ~ 95% non-condensation				5% ~ 95% non-condensation			
L*W*H	227*100*56.5 mm				227*100*56.5 mm				227*100*56.5 mm			
Cable Specification	3G 6mm²+1*0.5mm²				5G 2.5mm²+1*0.5mm²				5G 6mm²+1*0.5mm²			



The device cannot adjust the current during charging.

Click to adjust the current



The device cannot adjust the current during charging.

Click to adjust the current
(Press for 10 seconds to cancel the mobile app connection)

Set Delaytime

Set Chargetime

7KW Control Box

hardware component		
Key type	Trigger event	Delay Time
Key for adjusting current	Set the maximum current limit, A total of 8,10,13,16,25,32A six limits	0. 1s

Software part			
Status type	Set value	Action status	Delay Time
Charging control	Detection point 1 voltage value: 6±0.8V	The relay closes and enters t he charging state	0. 1s
	Detection point 1 voltage value: 9 ± 0.8V	Charge completed, relay disconnected	0. 1s
	Detection point 1 voltage value: 12 ± 0.8V	Socket not connected, relay disconnected	0. 1s
	Detection point 1 voltage value: others	Communication failure, relay disconnected	0. 1s
Overvoltage and undervoltage	Line voltage ≥ 264V	The relay is disconnected, and the relay is closed when it drops to 254V, infinite cycle	
	Line voltage ≤ 85V	The relay is disconnected, and when it rises to 95V, the relay is closed, infinite cycle	
	Line voltage within 85~264V	The relay is closed and enters the charging state	1s
Overcurrent protection ie=8, 10, 13, 16, 25, 32	The user sets charging current IE and line current I.when ie+8>i>ie+4, it lasts for 5S	The relay is disconnected, and it will automatically recover after 10s. If it still has overcurrent after 3 cycles, it will be permanently disconnected	5s
	The user sets charging current IE and line current I. when i>ie+8, it lasts for 1s	Relay permanently disconnected	1s
The leakage	Leakage current >AC30mA	The relay is disconnected and recovers automatically after 5min	1s
	The line has no leakage	The relay closes and enters the charging state	0. 1s
Electricity self-inspection	Self-checking normal	The relay closes and enters the charging state	1s
	Self-checking failure	Relay cut off	0. 1s

11KW Control Box

hardware component		
Key type	Trigger event	Delay Time
Key for adjusting current	Set the maximum current limit, A total of 8,10,13,16A four limits	0. 1s

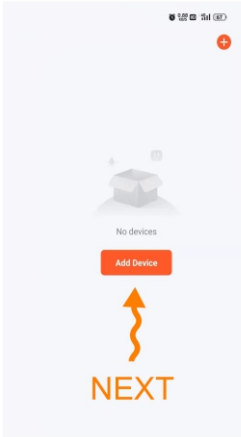
Software part			
Status type	Set value	Action status	Delay Time
Charging control	Detection point 1 voltage value: 6±0.8V	The relay closes and enters t he charging state	0. 1s
	Detection point 1 voltage value: 9 ± 0.8V	Charge completed, relay disconnected	0. 1s
	Detection point 1 voltage value: 12 ± 0.8V	Socket not connected, relay disconnected	0. 1s
	Detection point 1 voltage value: others	Communication failure, relay disconnected	0. 1s
Overvoltage and undervoltage	Line voltage ≥ 457V	The relay is disconnected, and the relay is closed when it drops to 440V, infinite cycle	
	Line voltage ≤ 147V	The relay is disconnected, and when it rises to 164V, the relay is closed, infinite cycle	
	Line voltage within 147~457V	The relay is closed and enters the charging state	1s
Overcurrent protection ie=8, 10, 13, 16	The user sets charging current IE and line current I.when ie+8>i>ie+4, it lasts for 5S	The relay is disconnected, and it will automatically recover after 10s. If it still has overcurrent after 3 cycles, it will be permanently disconnected	5s
	The user sets charging current IE and line current I. when i>ie+8, it lasts for 1s	Relay permanently disconnected	1s
The leakage	Leakage current >AC30mA	The relay is disconnected and recovers automatically after 5min	1s
	The line has no leakage	The relay closes and enters the charging state	0. 1s
Electricity self-inspection	Self-checking normal	The relay closes and enters the charging state	1s
	Self-checking failure	Relay cut off	0. 1s

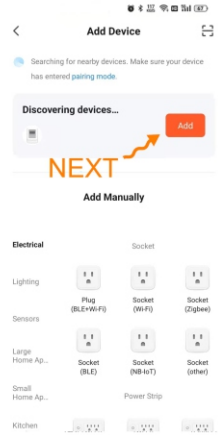
How to use the App (the device needs to have Wifi function, optional function)

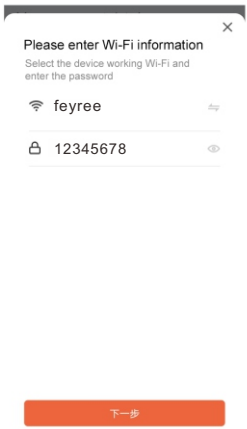
1. Please download the " tuya smart " App on your cell phone, the icon is shown on the right :

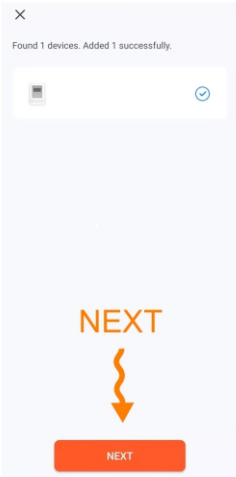
tuya smart

2. After downloading, open the app, turn on your phone WiFi and Bluetooth, select Add Device, and follow the instructions to complete Add a new device, as shown below:









Warning:
Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Statement:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

Please stay away from damp or potentially dangerous walls when using, and should not be installed in narrow spaces. It should be installed in areas that children cannot touch normally. After confirming that the device is charged, it can leave on its own without the need for guards.

The equipment complies with FCC Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

feyree

www.feyree.com