EV-Charger FAQ

Quick start AC011E-01 EV-charger stand-alone

Applicable to: AC011E-01

After the installation is finished according to local regulations, please proceed as follows:
1. Confirm that all inspected items meet the requirements before commissioning.
2. Close the input RCD.
3. Power on the charger: Self-test takes around one minute.
4. After self-test, observe the status of the indicators.

| Charger status	Indicator
Standby	Blue indicator flashes slowly, on for 1s and off for 4s; circulating
Charging (S2 is closed and current is normal)	Blue indicator breathes, on for 1s and off for 1s; circulating
Charging stops	Blue indicator is steady on
Detecting plug	Blue indicator flashes quickly, on for 0.5s and off for 0.5s; circulating
Ground cable and live cable connected reversely	Red indicator is steady on
Power-on self-test	Blue indicator is on for 1s and red indicator is on for 1s
Charger software upgrading	Blue indicator flashes quickly

Set up the charger on WebUI:
1. Make sure the charger is powered on.
2. It's recommended to turn on airplane mode and suspend cellular communication.
3. In the WLAN settings of your mobile device, select the network with the name that matches the serial number of the charger
4. Enter the standard password admin123 to connect to the charger.
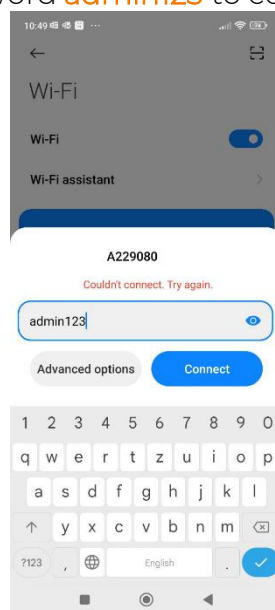
PLEASE NOTE: The local network of the charger will be disabled after 15 min.

Connect the charger to your local WiFi:

1. After you successfully connected your mobile device to the local network of the charger, open the WebUI by typing IP address 192.168.4.1 in your browser. The password to log in is the PIN shown on your RFID card
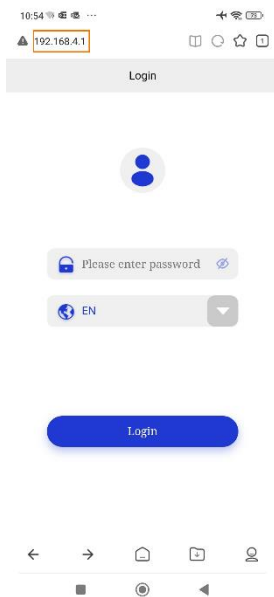

2. After the menu page appeared, choose Network Setup to connect the charger to your router WiFi and enter your Router WiFi password.
3. When your router network is successfully connected, you will find your WiFi name on the menu page. Choose Charge Setup to enter Setup.
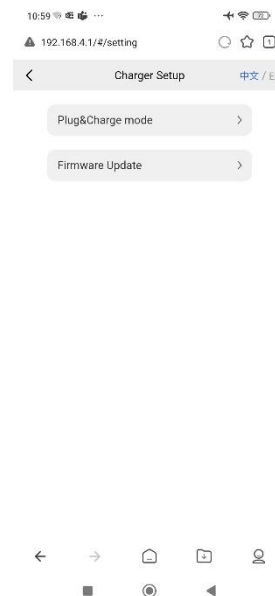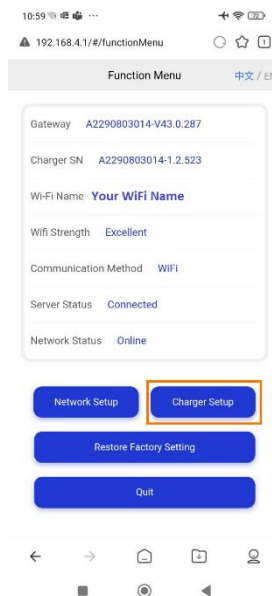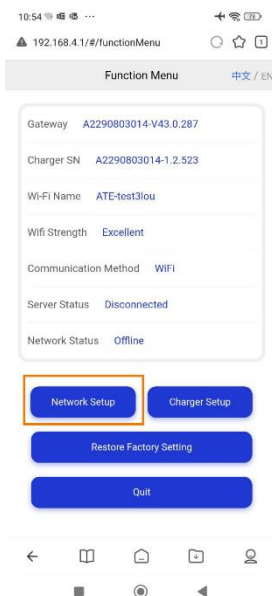
4. Select Plug & Charge mode for the charger setup.
   Now, you can choose between 3 charging options:
   - Network mode means that the charger is used as a standalone product and monitored through iEnergyCharge App.
   - Plug and charge mode means that the charge will start charging immediately after being connected to the EV, without any additional charging operations.
   - EMS mode (default setting) means that the charger is compatible with SUNGROW inverter and energy storage system to form an PV+ESS+Charging scenario and monitor all devices through iSolarCloud APP.
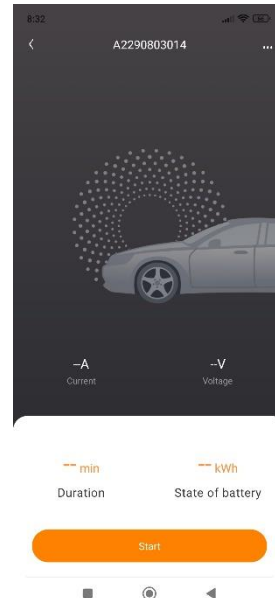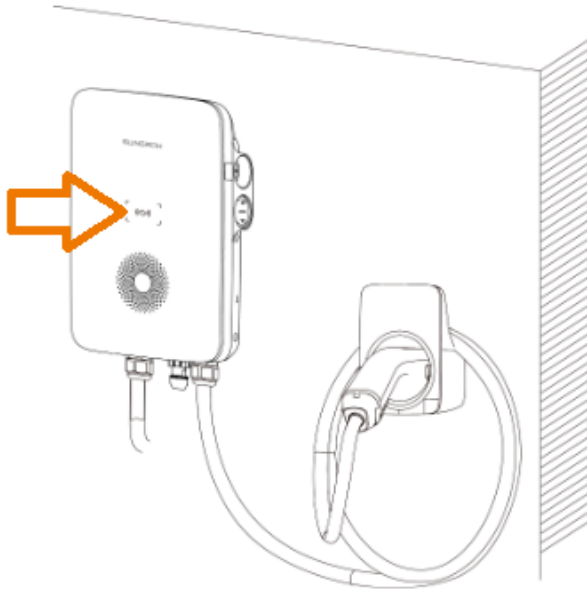
Setup of the iEnergyCharge App:
1. Download the iEnergyCharge-App for your mobile device.
2. Create an account to manage your charger.
3. Log in to iEnergyCharge and select + Add a device
4. Select your Charger and click Bind on the next popup.
5. Scan or type in the charger's serial number to bind it to your iEnergyCharge account.
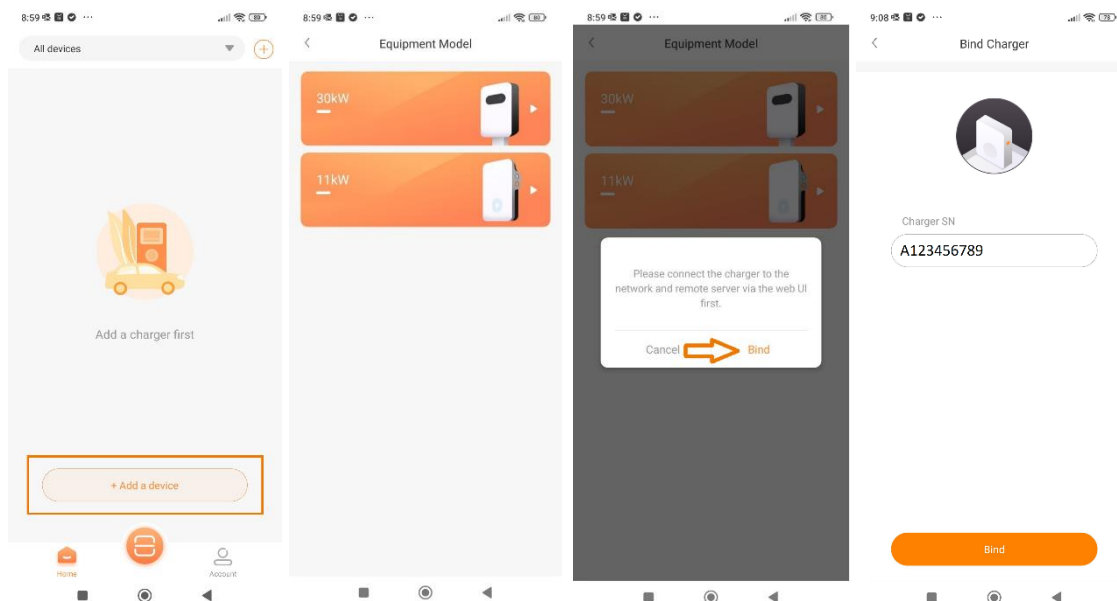
After you bound the charger to your account, you are ready to start charging an electric vehicle.

1. Plug in the charger to the vehicle.
2. Authorize the charging operation by either swiping the dedicated RFID-card at the charger or start the charging cycle in the iEnergyCharge App.

3. During charging, you can monitor the current flow, voltage, duration and charged energy of the current charging cycle.

For further information, please download the user manual here.

iEnergyCharge iOS

iEnergyCharge Android

iSolarCloud

This manual is intended for professional technicians who are responsible for installation, operation, maintenance and troubleshooting of inverters, and users who need to check inverter parameters. The inverter must only be installed by professional technicians.

The professional technician is required to meet the following requirements:

- Know electronic, electrical wiring and mechanical expertise, and be familiar with electrical and mechanical schematics.
- Have received professional training related to the installation, commissioning and troubleshooting of electrical equipment.
- Be able to quickly respond to hazards or emergencies that occur during installation, commissioning and troubleshooting.
- Be familiar with local standards and relevant safety regulations of electrical systems.
- Read this manual thoroughly and understand the safety instructions related to operations.