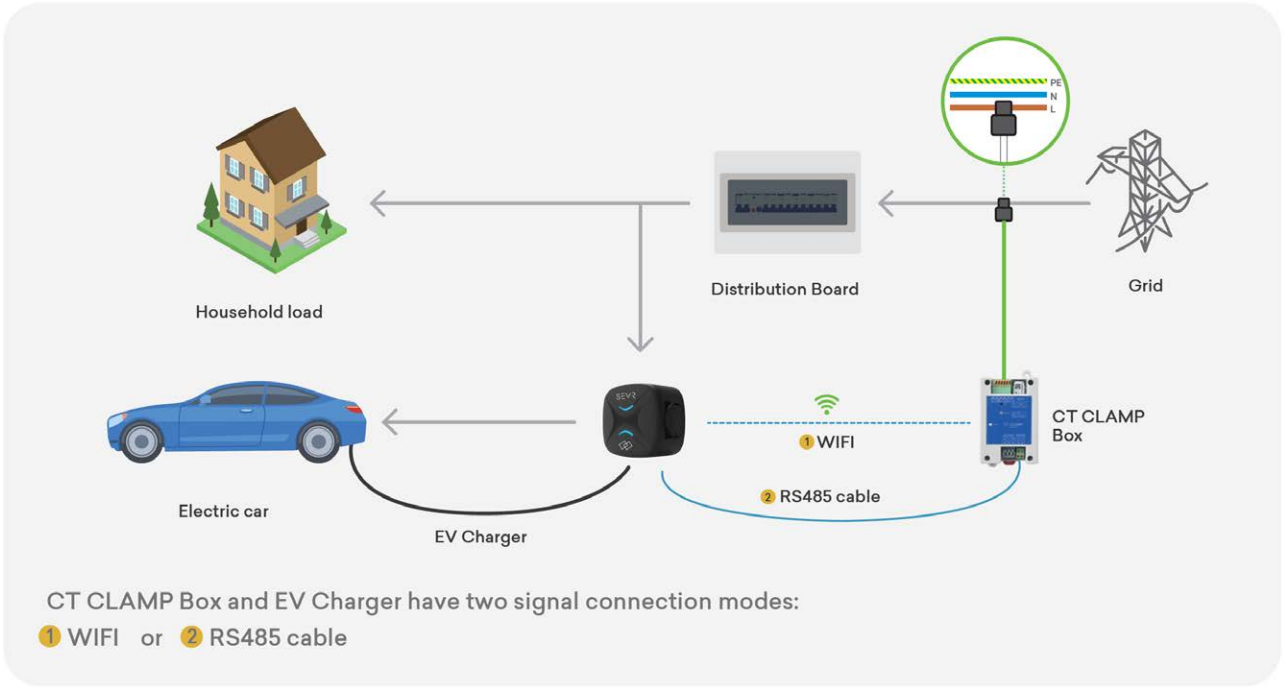
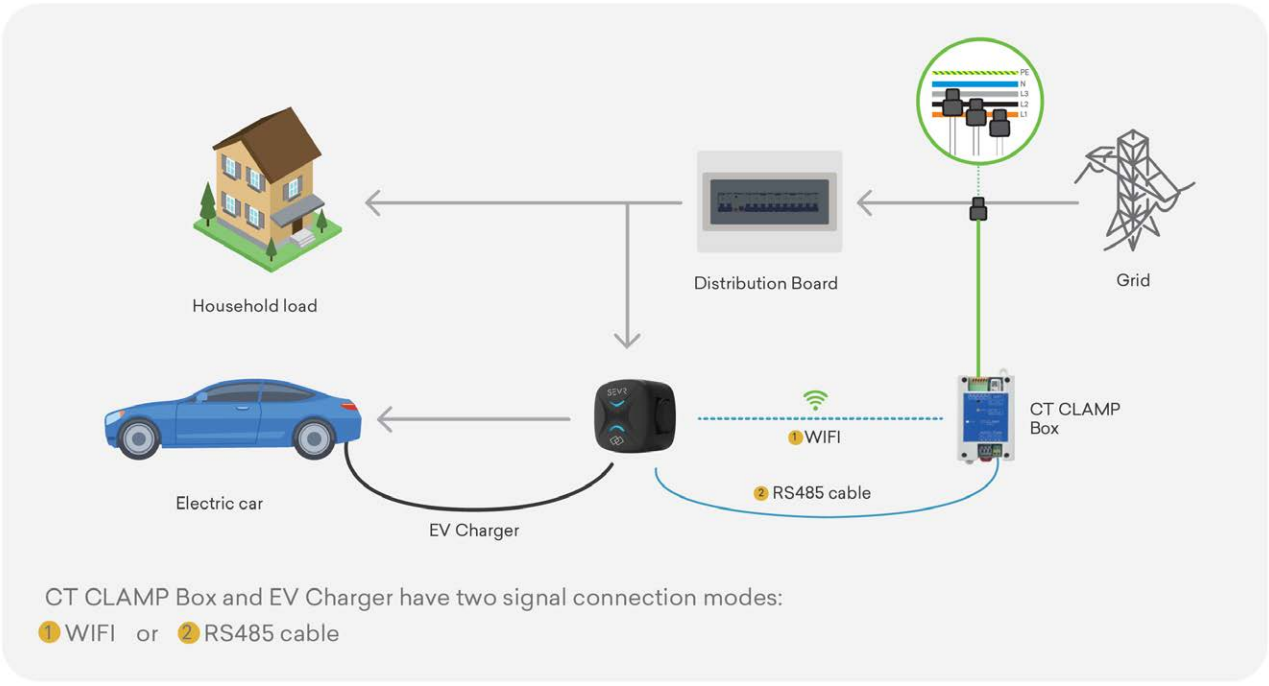
Working Senarios

CT CLAMP has two operating modes, one is normal mode and the other is solar mode.

1 Phase System - SV-EVACC-7CT



3 Phase System - SV-EVACC-22CT

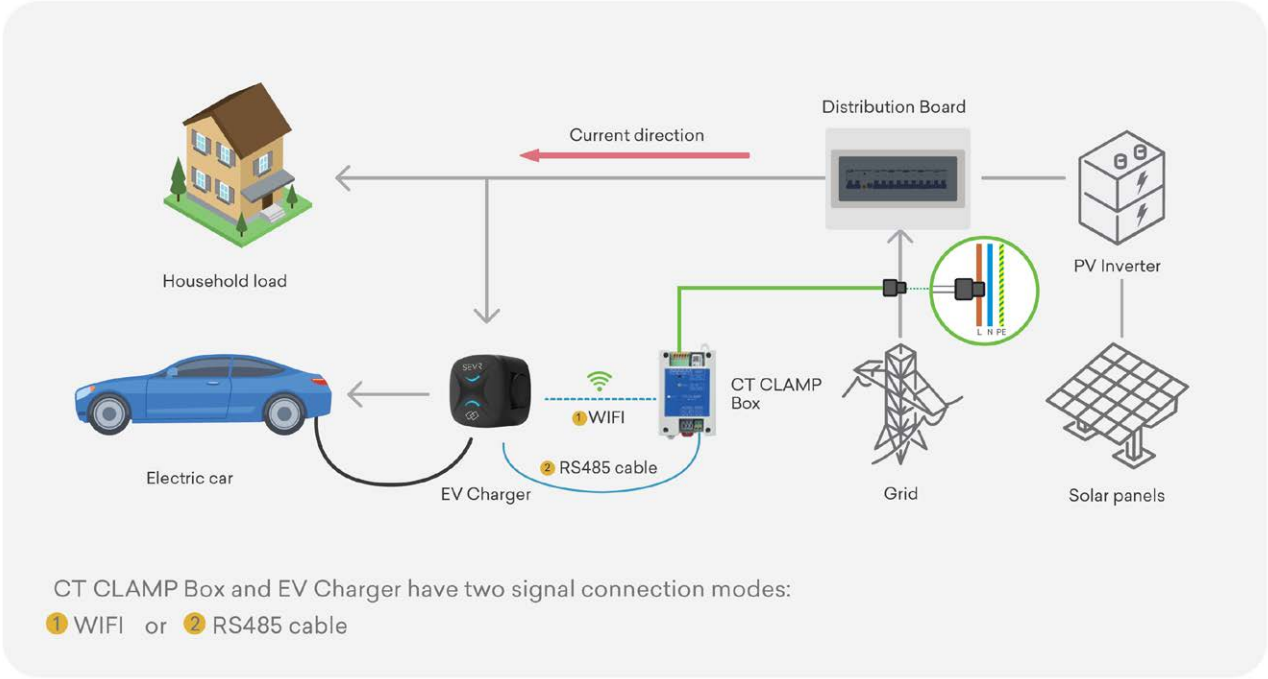


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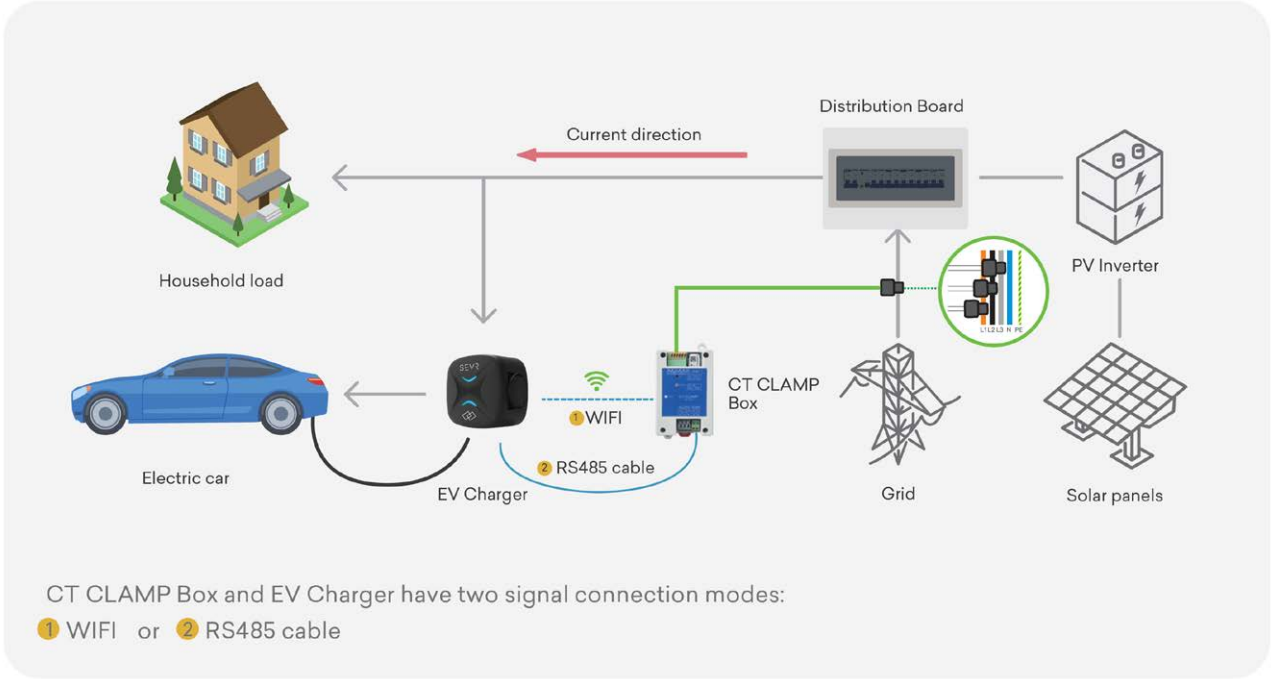
Working Principle in Solar Mode

In this mode, when there is over 7A residual current transferred from solar system to grid, the SEVR charger will start to work. In the opposite scenario, the charger will stop charging.
Boost mode means that the charger will work with max current powered by booth solar electricity and grid.

1 Phase System - SV-EVACC-7CT



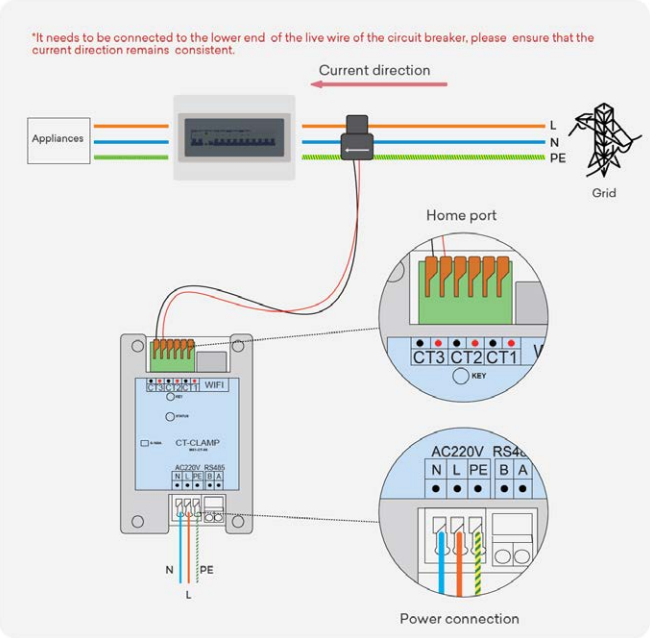
3 Phase System - SV-EVACC-22CT



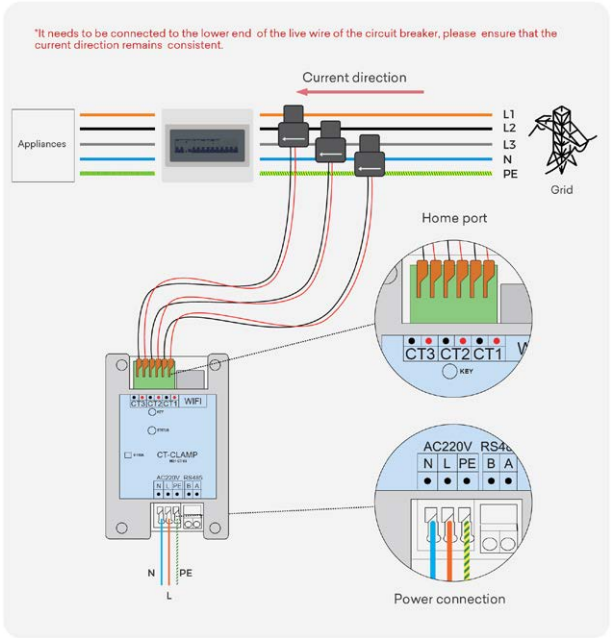
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Installation

1 Phase System - SV-EVACC-7CT



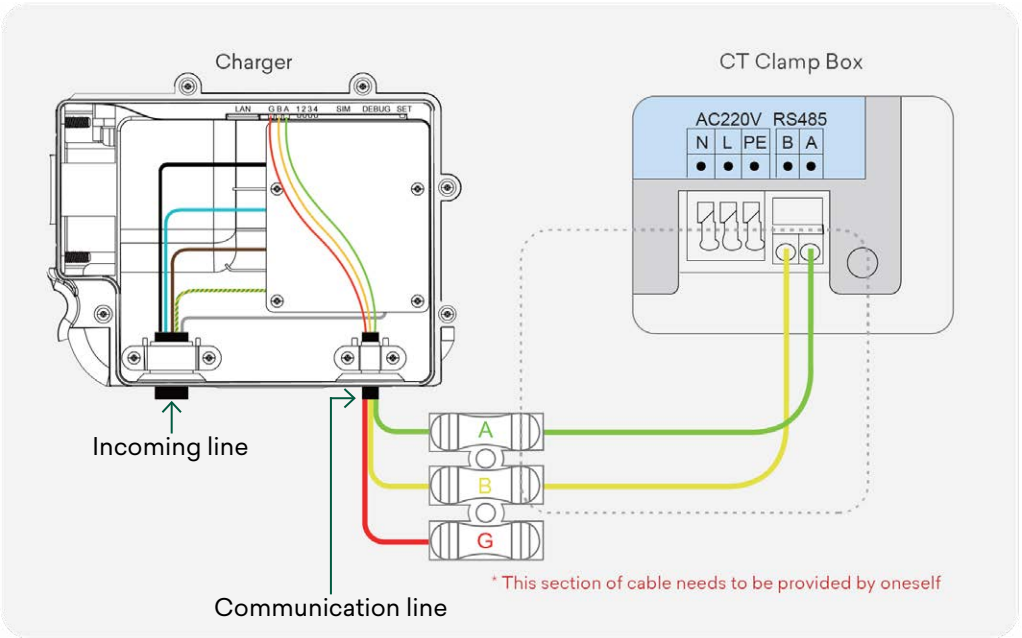
3 Phase System - SV-EVACC-22CT



Communication Connection Method

RS485 Cable Connection

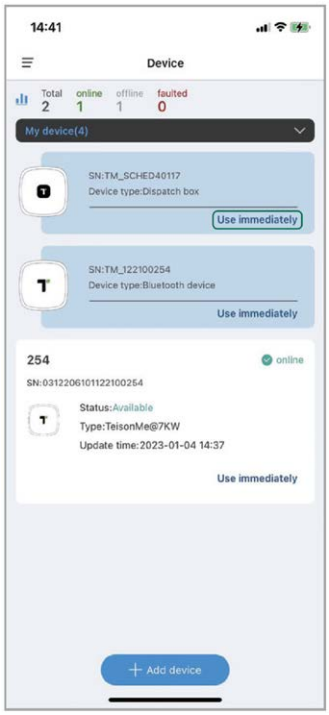
Find the RS485 interface on the main control board and connect it as shown in the figure below. The single-phase and three-phase connection methods are the same.



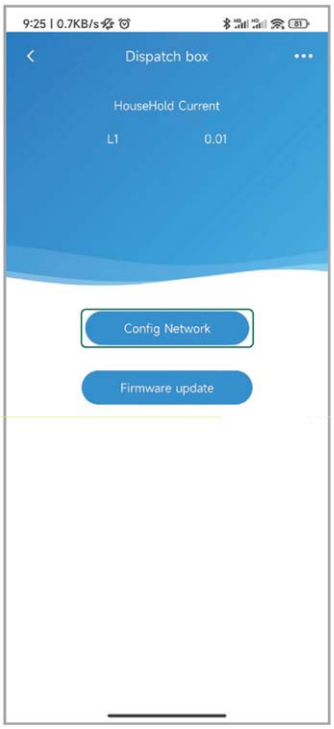
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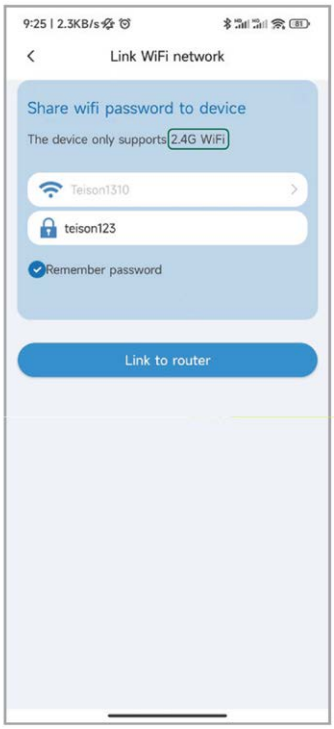
Wifi Configuration Instructions

1. Press “Use immediately” to enter main interface.

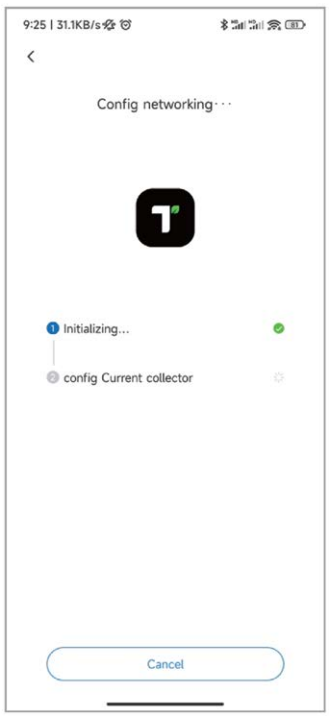


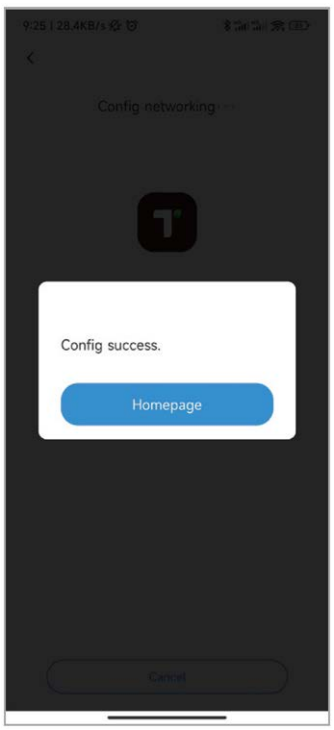
2. Press “”Config Network”, then go to the interface of Link Wifi network, remember to choose the wifi in 2.4G and type into the correct password, to link to router.





3. Wait while it configures. When it shows “Config success”, the network is successfully connected





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Settings

Normal Mode

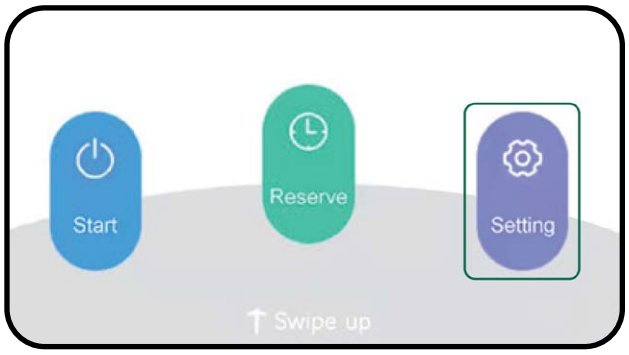
EVC Charging current = maximum grid current (set on APP) - household load current.



APP Settings

Under this mode, the charger will adjust the real-time charging current according to limitation of 'Householed-current', which will avoid the overload.
When the residual available current in household supply is less than 6A, the charger will be stopped.

1. Click to enter the settings



2. Working current means max charging current.
Set the total load current (Max current 200A)

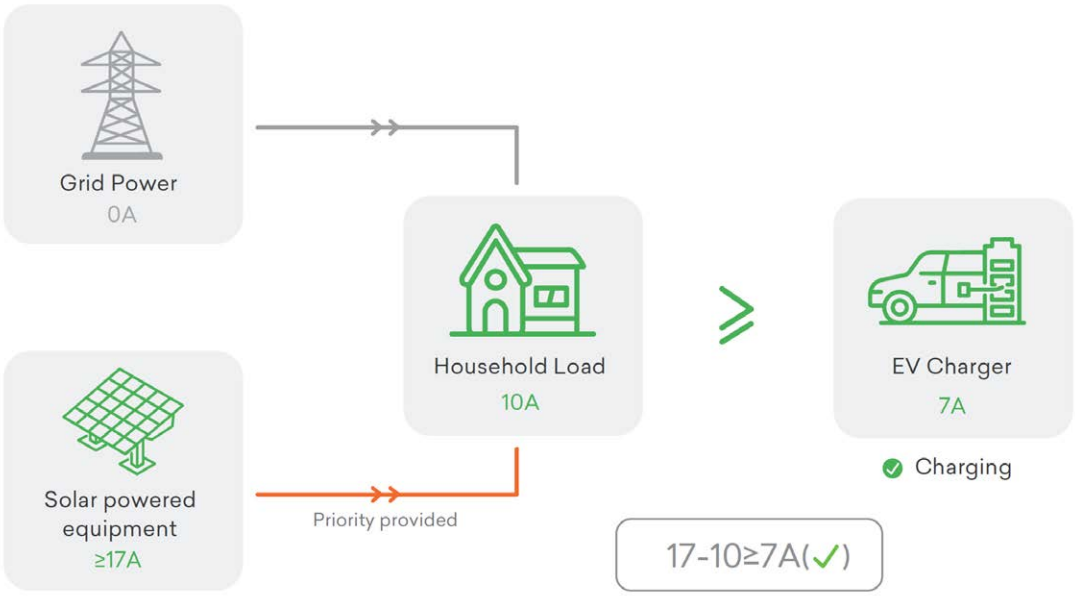


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Solar Mode

1. Solar power supply current - Household load current ≥EVC charging current (set on APP).

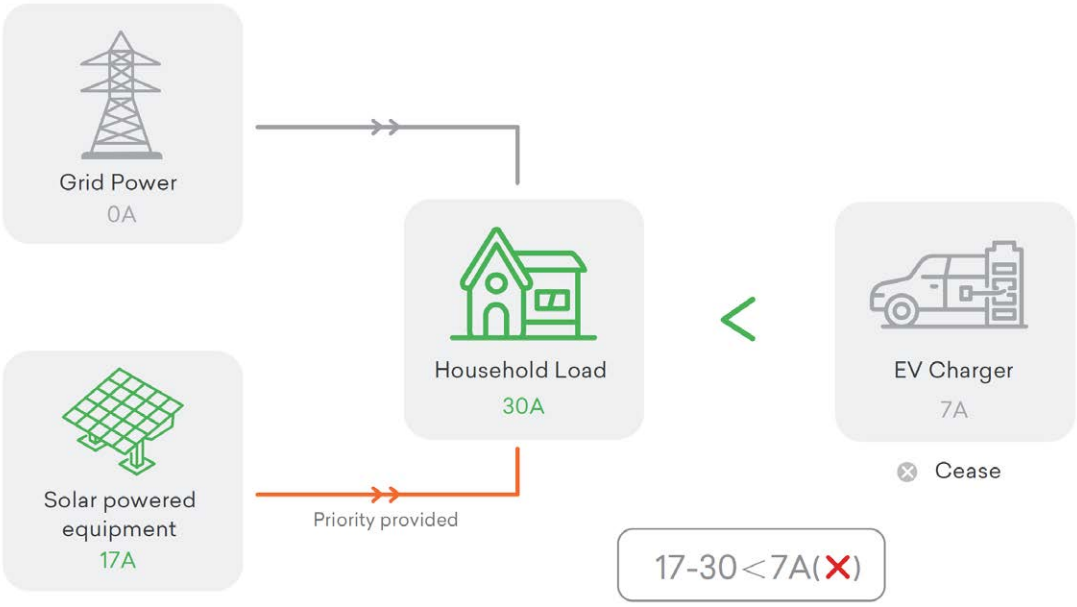
   When solar energy is more than real-time household load and residual current over 7A, the charger will work by available solar current. No current comes from grid.



2. Solar power supply current - Household load current <EVC charging current (set on APP).

   When solar energy is less than real-time household load or residual current lower than 7A, the charger will stop working until residual current over 7A.

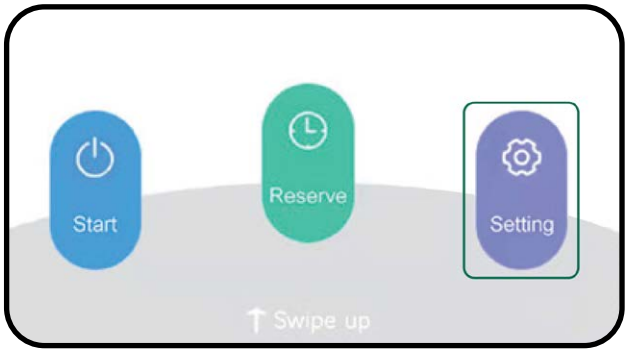
   Users can adjust the 'Solar Current Limit' on the APP to set the min starting current.



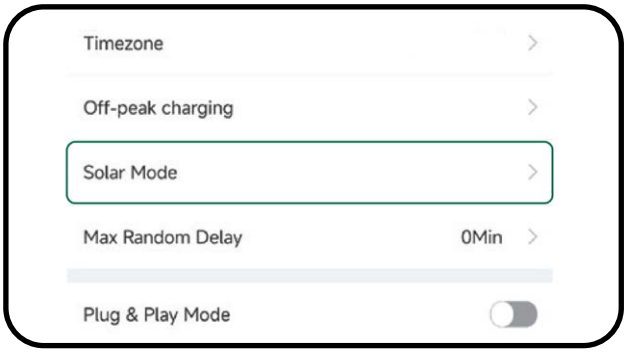
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APP Settings

1. Click to enter the settings



2. Click on 'Solar Mode'



3. Select to keep the switch open

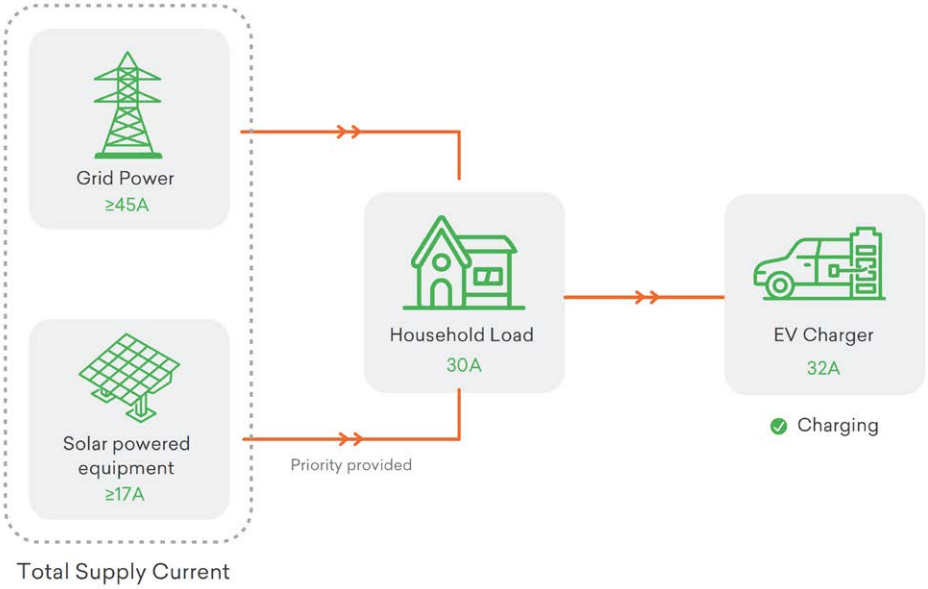


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Boost Mode

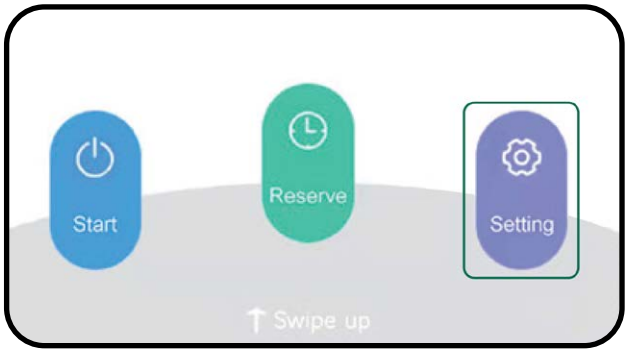
Total supply current - Household load current ≥EVC charging current (full power).

Under Boost mode, the charger will output max charging current and be prior to use residual solar current. If the residual solar current can't support the max charging current, It's allowed to be powered by grid.

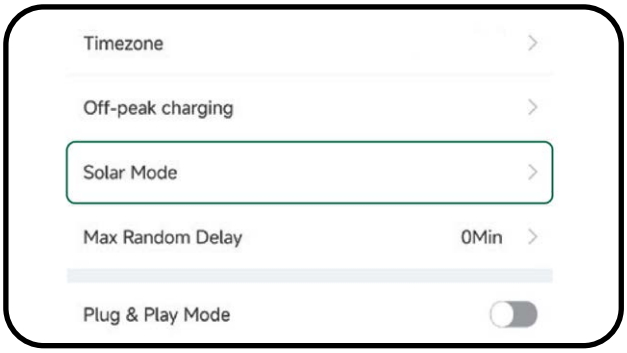


APP Settings

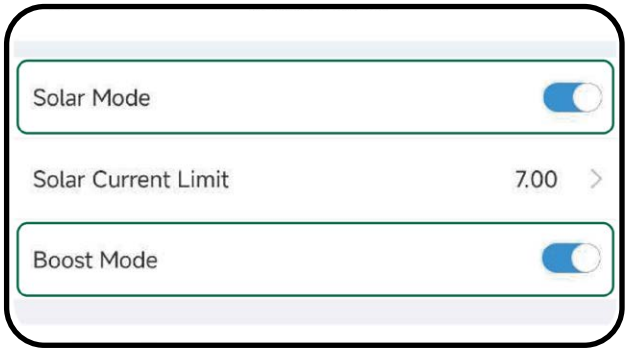
1. Click to enter the settings



2. Click on 'Solar Mode'

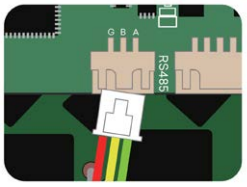
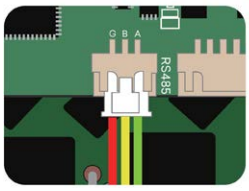
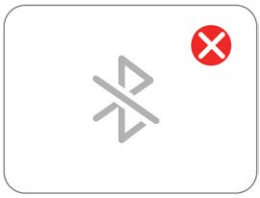
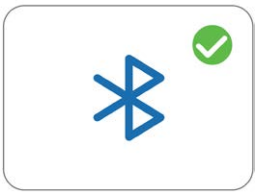
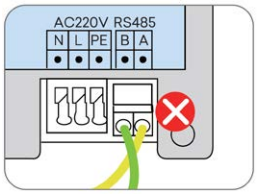
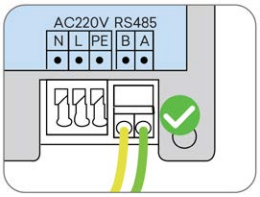


3. Select to keep the switch open



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Troubleshooting

LED Light Status	Type	Potential Cause	Action
🟢	Online	 CT is stuck on the wrong power line, and the APP detects that the current is displayed as 0	 Check if the CT position is correct, and the APP detects that the current is normal
		 Loose RS485 interface	 Ensure that the wiringis intact
🔵	Offline	 Bluetooth not connected	 Reconnect Bluetooth
		 WIFI not connected	 Reconnect WIFI
🔴	Fault	 Communication line connection error	 Reconnect the communication line

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