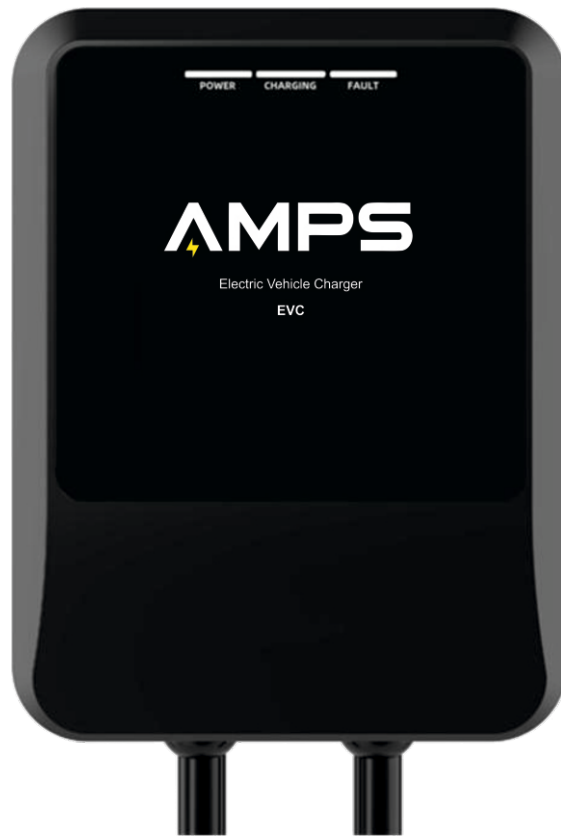


Part No:
EVC



AMPS EV Charger Handbook

EVC



UK
CA



RoHS
compliant

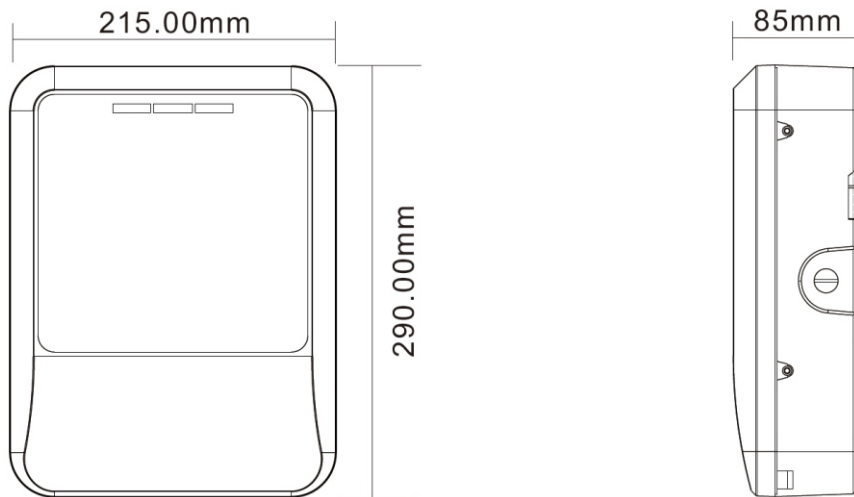


Warranty (2 years return to factory)

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Temperature: -30 - +55 DegC
Humidity 5%~95%
Noise: Less than 30db.
Safety Standard: GB/T20234.GB/T18487.GB/T27930.NB/T33008.NB/T3300L.
 IEC 62196.2.IEC 2010 SHEET 2-Ile. IEC 61851-1, compatible
 old and new national standard
Input Voltage: AC220V±15%/AC380V±15%
Max Power 22kW
Electrical Relay 32A 250VAC



Safety Notices

- 1) Do not place flammable, explosive or combustible materials, chemicals, vapours and other dangerous items near the charging station.
- 2) Keep charging head clean and dry, please use clean dry cloth wipe if dirty.
- 3) Strictly forbidden to use the charger when charging gun or charging cable has defect, cracks, wear, broken and charging cable naked, please renew in time or contact us if found it. We suggest to install a leakage protector that meets local certification standards at the input end.
- 4) Please don't try to disassemble, maintain and rebuild the EVC, please contact us if there is an issue with the construction of the EVC.
- 5) Strictly forbid to disconnect the Type 2 head during charging, this ensures body and vehicle safety during charging.
- 6) Press down the emergency stop button when meeting the abnormal situation during use, cut off all input and output power supply.
- 7) Please be careful if charging in rain and thunderstorms.
- 8) Please don't let children use the EV charger during charging.
- 9) Do not drive the vehicle during charging. Only charge when at static situation.

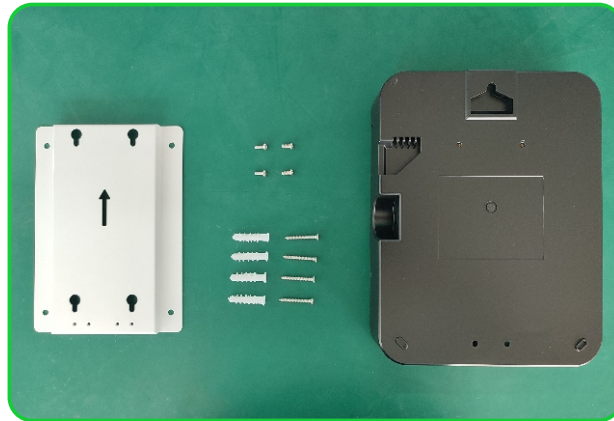
AMPS EVC is a charging device developed to meet the needs of charging new energy vehicles. It is used in conjunction with electric vehicle in-vehicle chargers to provide slow charging services for electric vehicles. This product is easy to install, small in floor space, easy to operate, and stylish. It is suitable for all kinds of open-air and indoor parking lots such as private parking garages, public parking lots, residential parking lots, and commercial parking. Since this product is a high-voltage device, please do not disassemble the casing or modify the wiring of the device.

1) Product composition. The EVC is mainly composed of a casing, a rear cover, a main control board, a human-machine interaction interface, fuse, an emergency stop switch, and a charging interface. Charging CCS2, gun

2) Main features of the product

- It has a dynamic and dynamic human-computer interaction function, equipped with a led status indication, and the charging process is clear at a glance.
- Embedded emergency stop mechanical switch to increase equipment handling safety.
- With rs485/rs232 communication monitoring mode, it is convenient to obtain the current EVC RAW data.
- With gprs/Ethernet online communication function (optional), online control and payment functions can be realized by scanning QR code on app/mobile WeChat.
- Complete system protection functions: overvoltage, undervoltage protection, overcurrent protection, short circuit protection, leakage protection, over temperature protection, lightning protection, safe and reliable operation.
- Convenient and intelligent appointment charging.
- Data storage and fault identification.

- The structure of the whole machine adopts rainproof and dustproof design, and has IP54 protection grade. It is suitable for indoor and outdoor, and the environment is wide and flexible.
- Easy to install, operate and maintain.
- Security and theft.



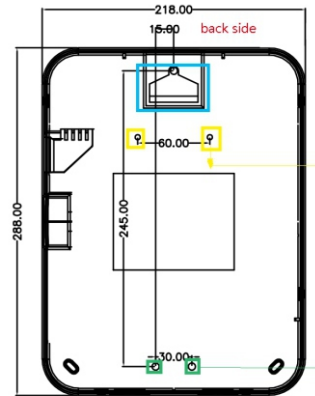
Installation Method

Accessories:

- Mounting plate: 1piece
- Screw M5*10mm: 2pcs
- Expansion screws M8*80mm: 4pcs
- Screw M4*8mm: 2pcs

Installation Method:

- 1) 4 holes by M8*80MM to fix mounting piece on the wall;
- 2) Install 2pcs M5 screws at the hole of the charger, hang the charger on the hole of the wall mounting piece, and pull it down to ensure that the screw is hung in the hole;
- 3) Remove the shell of the charger, install M4 screws inside the charger to fix;
- 4) Install the EVC housing.



Installation Method (2)-No Need for Mounting Piece:

Accessories:

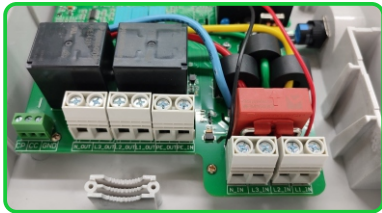
- Expansion screw M6* 40mm: one piece
- Expansion Screw M4*8mm: 2pcs

Installation Method:

- 1) Install one expansion screw M6 * 40mm and extend out of the wall for 3mm-4mm;
- 2) Hang the blue top position at the protruding expansion screw and pull it down to ensure that the screw is at the top of the blue hole;
- 3) Remove the shell of the charger, install M4 screws in the green hole inside the charger to fix.
- 4) Install the charging pile housing.

INSTALLATION INTERNAL CONNECTIONS - AC input to EVC

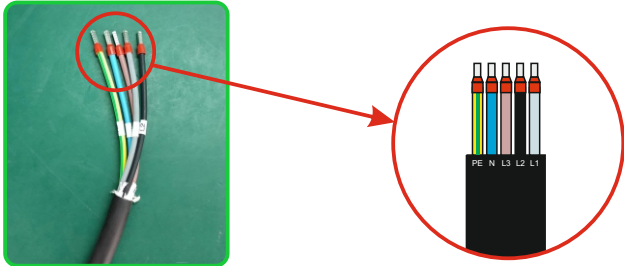
- Step 1: Open the shell of the charging station and check the input interface of the circuit board. The image without wiring is as follows.



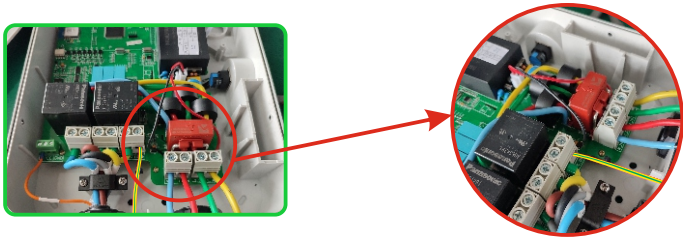
No Connection

- Step 2: Check the prefabricated input cable and confirm that the phase correspondence is correct.

For Three Phase



- Step 3: Check the prefabricated input cable and confirm that the phase correspondence is correct.

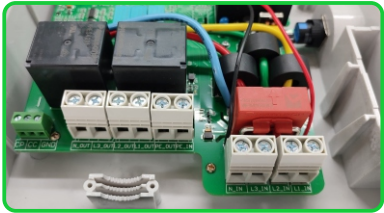


For Single Phase

- Note: Just connect L1 wire for single phase ev charger.

INSTALLATION **OUTPUT WIRING - AC output to Type 2 connector**

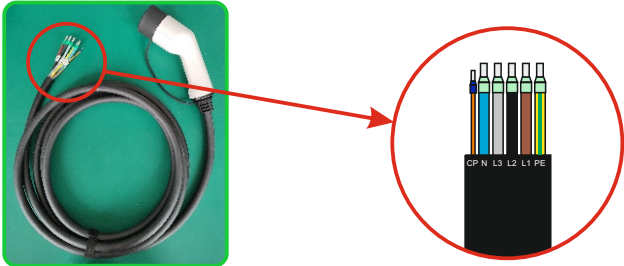
- Step 1: Open the shell of the charging station and check the output interface of the circuit board. The image without wiring is as follows.



No Connection

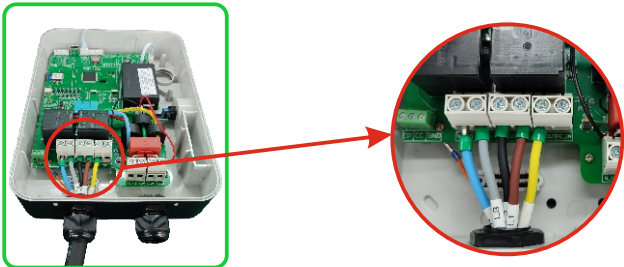
- Step 2: Check the prefabricated output cable and confirm that the phase correspondence is correct.

For Three Phase

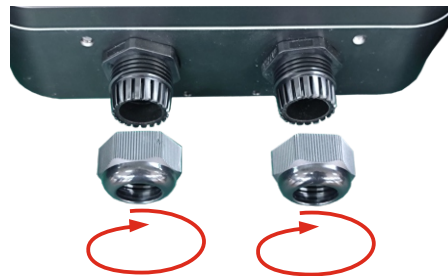


- Step 3: Check the prefabricated output cable and confirm that the phase correspondence is correct.

For Single Phase



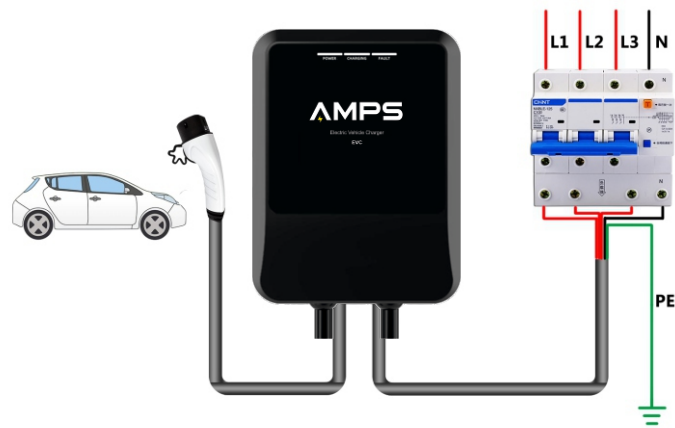
- Note: Just connect L1 wire for single phase ev charger.



After Wiring is Completed:

- 1) Tighten the screws at the wiring point, give a tug to ensure tight grip.
- 2) Ensure some excess wires are reserved inside the junction box of the EVC to prevent the wires from extra tension.
- 3) Excess wires can be properly bent and neatly organized.
- 4) The cables at the input end and output end shall be kept vertical down outside the EVC
- 5) Tighten the external fasteners of the input and output terminals clockwise;
- 6) Check again if there are any abnormalities at each wiring point;
- 7) Confirm that the rear cover of the EVC housing is correct.

1) Normal Connection



2) Connection by External Metering

