

Quick Installation Guide

ACE/-S HomeAC Charger



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I Packing Lists

II Preparation Tools

$\Phi 6$ Electric drill	Rubber hammer	PH2 Cross screwdriver	2mm Slotted screwdriver
Goggles	Anti-dust mask	Round terminal crimping pliers	Wire stripper
Multimeter	Hot air gun	Cable clamp (RJ45)	Marker

III Mounting Place

Correct

Incorrect

$\leq 50^{\circ}\text{C}$
 $\geq -30^{\circ}\text{C}$
 $\leq 95\% \text{RH}$

Correct

Correct

Incorrect

Incorrect

Incorrect

Incorrect

Notice: The above installation precautions apply to both connector charger and socket charger.

IV Wall Mounting

- Step 1: Take out the bracket, choose the appropriate mounting height (between 0.5m - 1.5m) and mark four points on the wall.
- Step 2: Drill 4 mounting holes (6X35 mm) and insert the 4 expansion pipes ($\Phi 6 \times 28$ mm) into the holes.
- Step 3: Lock 4 $\$T3.9 \times 27$ tapping screws into the upper expansion pipe.
- Step 4: Hook the charger to the bracket via the included bracket.
- Step 5: After hanging the charger on the bracket, tighten the left and right knobs in a clockwise direction.

Notice: The above installation steps apply to both connector charger and socket charger.

V Column Mounting

- Step 1: After determining the installation position of the charger and cable alignment, make sure the cable in the center of the charger bracket according to the column mounting hole diagram, and drill 3 mounting holes (12 X 120 mm) on the concrete base.
- Step 2: Install three M8x100 expansion bolts into the mounting holes and fasten the expansion bolts to ensure that the exposed height of the expansion bolts is between 15 ~ 25mm.
- Step 3: Loosen the 5 screws on the hook, take down the hook, pass the cable of the cement base through the inside of the column and lead out from the cable outlet of the column.
- Step 4: Lift the bottom cover, align the column with the installation holes of the cement base one by one, and then tighten the three M8x100 expansion bolts.
- Step 5: Thread the hook through the cable and tighten the 5 screws.
- Step 6: Refer to the above steps "3, 4 and 5" of "Wall mounted installation" to complete the installation of the bottom shell and column.

Notice: the height of the cement base shall ensure that the lowest point of the vehicle connector when stored shall be located at a height between 0.5m and 1.5m above ground level when the charger is installed on the column.

VI Wire Prepare

Grid cable prepare

① Step 1: Prepare the wire stripper to strip the cable.

Models	Type	Power cable	Outer diameter range	Stripping length
A0070230E1EH	7kW-connector	3*6mm ²	13~18mm	85mm/8mm
A0070230E1SH	7kW-socket	3*6mm ²	13~18mm	85mm/8mm

Stripping cable for single-phase charger

Models	Type	Power cable	Outer diameter range	Stripping length
A0110400E1EH	11kW-connector	5*2.5mm ²	13~18mm	85mm/8mm
A0220400E1EH	22kW-connector	5*6mm ²	13~18mm	85mm/8mm
A0110400E1SH	11kW-socket	5*2.5mm ²	13~18mm	85mm/8mm
A0220400E1SH	22kW-socket	5*6mm ²	13~18mm	85mm/8mm

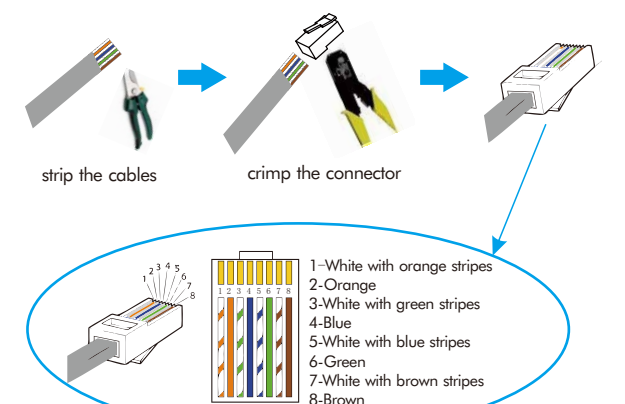
Stripping cable for three-phase charger

② Step 2: Heat shrinkable tube to make the cable more professional.

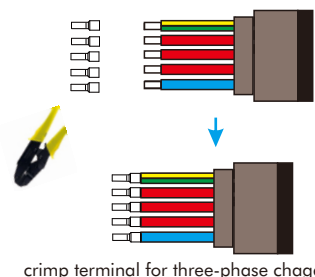
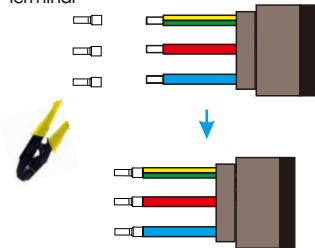


Network cable prepare

Use cable clamp to follow the below order of the cable to make the RJ45 connector. Network cable: EIA/TIA 568B standard.

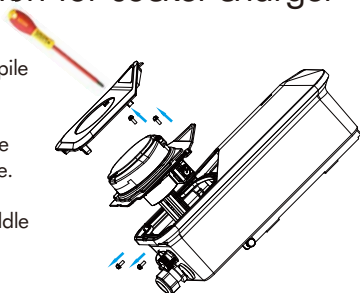


③ Step 3: Use the tool to crimp insulated terminal

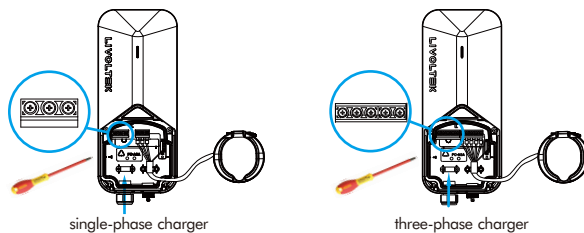


Power cable connection for socket charger

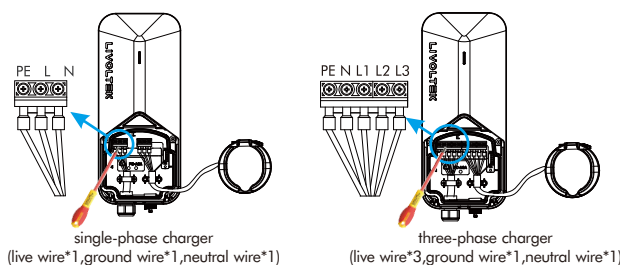
① Step 1: Disassemble the charging pile panel according to the following illustration. First, unscrew the two screws on the bottom of the charger anticlockwise. Remove the top cover, and then unscrew the two screws on the middle cover anticlockwise to remove the middle cover.



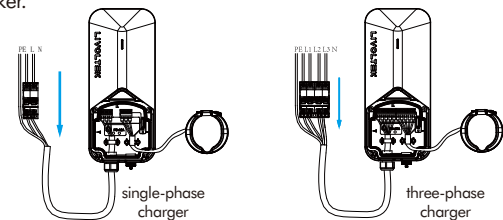
② Step 2: loosen three (for single-phase) or five (for three-phase) screws and one hoop, pass the feeder cable through the charging post feeder sealing ring, and then through the feeder cable hoop.



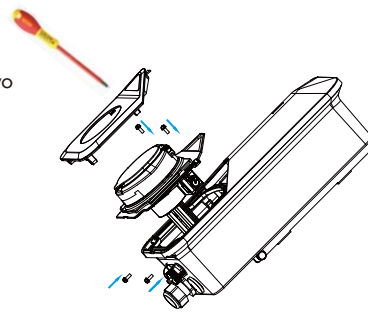
③ Step 3: Insert the cable into the hole before locking, adjust the position of the cable and then tighten the terminals.



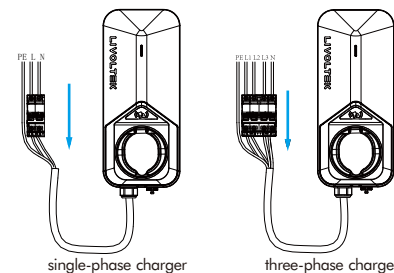
④ Step 4: The front end of the charging pile inlet line must be mandatorily connected to a 40A/4P (20A/2P for A0030230E1SH) circuit breaker, and the corresponding wiring is subject to the requirements of the circuit breaker.



⑤ Step 5: Put the middle cover on and lock the middle cover with two screws, then cover the top cover and lock the bottom of the charging post with two screws, to complete the cable connection.

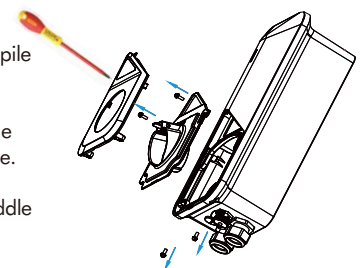


⑥ Step 6: After completing the wiring of the charger is shown in the picture on the right.

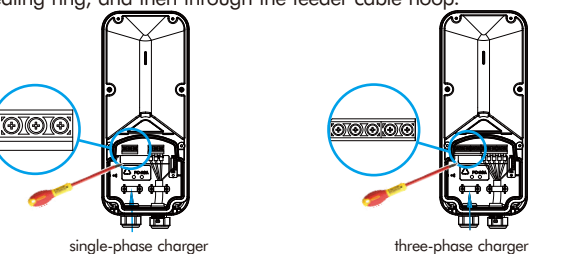


Power cable connection for connector charger

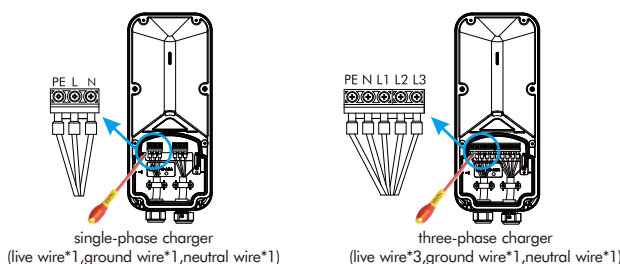
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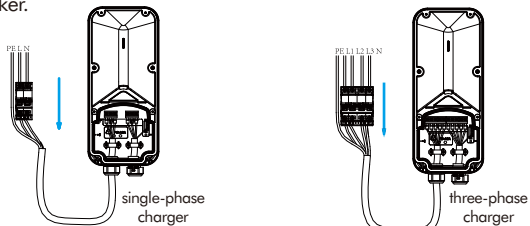
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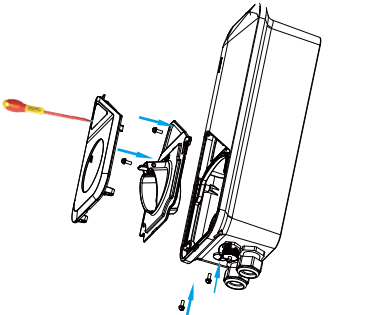
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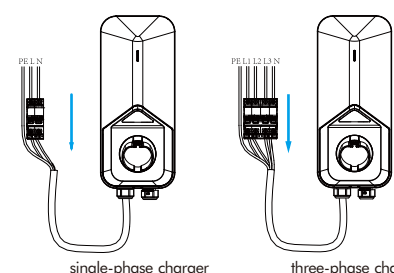
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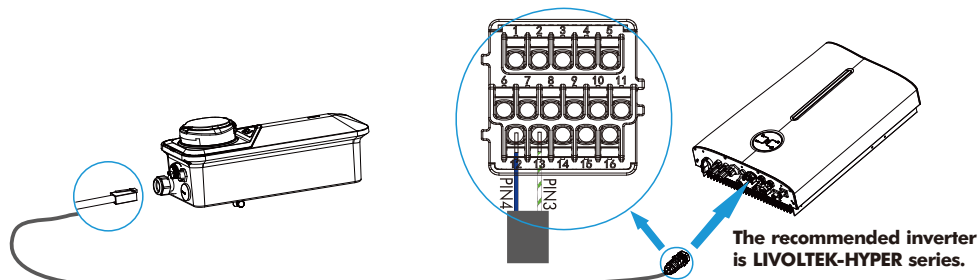


VIII Signal Cable Connection

① Step 1: When the charger is used with the electricity meter or inverter, the charger and the electricity meter or inverter need to connect a network cable for RS485 communication. The wiring of the charger is shown in the figure.



② Step 2: The other end of the network cable PIN3 (white with green stripes) is connected to RS485B of the electricity meter or inverter, and PIN4 (blue) is connected to RS485A of the electricity meter or inverter. The detailed wiring of the electricity meter and inverter shall be subject to the equipment requirements.



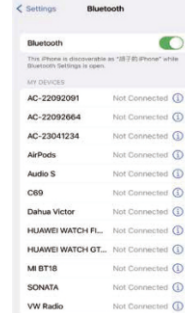
IX Column Mounting

'My Livoltek' is a platform to communicate with your device via WiFi or buletooth, you can login on our web(link as below) on your computer, also you can scan the QR code to download the APP on your phone.

App : Search "My Livoltek" on Apple Store or Google Play.
 Web Link 1 : <https://www.livoltek-portal.com/>
 For Asia, Latin American, Australia and other
 Web Link 2: <https://evs.livoltek-portal.com/#/>
 For Europe, Middle East Regions, Africa

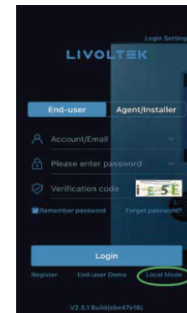


Step 1: After you download 'My Livoltek' App to your phone, then turn on the Bluetooth of your phone first.



Step 2: Open LIVOLTEK APP, enter "Local Mode > Bluetooth Mode" on the login page, and select the charger for access.

Notice: The name of charger is AC - {SN last 8 digits}; After accessing the charger with LIVOLTEK APP, the user can modify or reset the Bluetooth password in "Device Settings > Maintenance Settings > Reset Bluetooth Password".



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