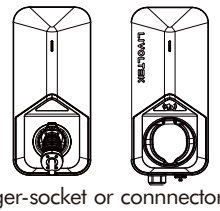
LIVOLTEK

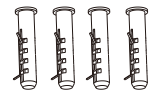
Quick Installation Guide

ACE/-S BusinessAC Charger

Scan the QR code to view more information

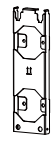
I Packing Lists

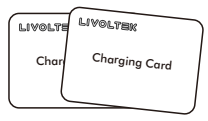

Charger-socket or connnector *1


Expansion pipe * 4


Tapping screw * 4


Insulated terminal * 4(1P)/6(3P)


Bracket* 1



Charging Card * 2


L-type Hexagon Wrench *1


User manual * 1

Quick installation guide *1

Certificate * 1

II Preparation Tools


Φ6 Electric drill


Rubber hammer


PH2 Cross screwdriver


2mm Slotted screwdriver


Goggles


Anti-dust mask


Round terminal crimping pliers


Wire stripper

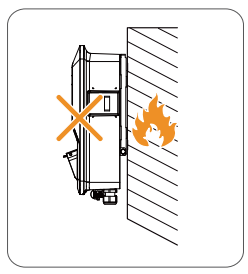

Multimeter

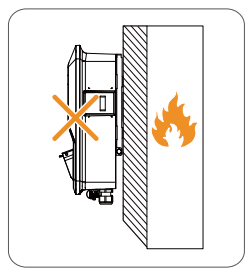

Hot air gun

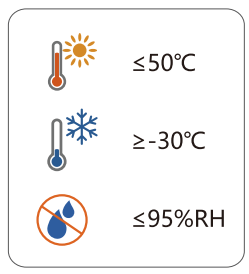

Cable clamp (RJ45)

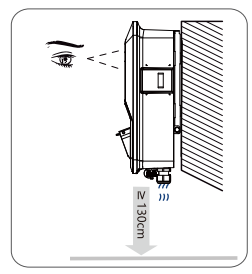

Marker

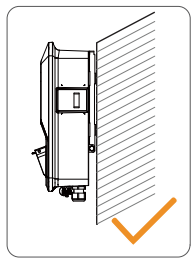
III Mounting Place

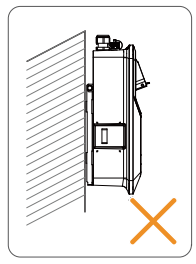


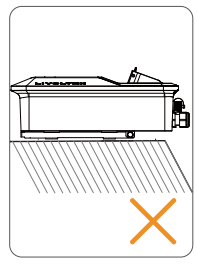


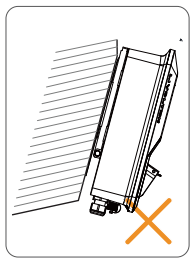


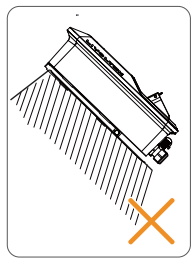








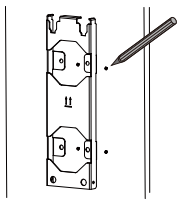




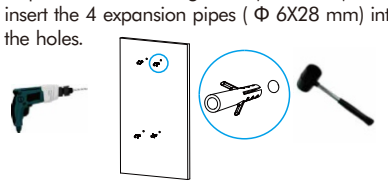
Notice: The above installation precautions apply to both connector charger and socket charger.

IV Wall Mounting

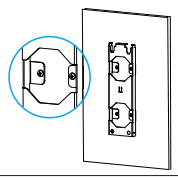
① Step 1: Take out the bracket, choose the appropriate mounting height (between 0.5m - 1.5m) and mark four points on the wall.



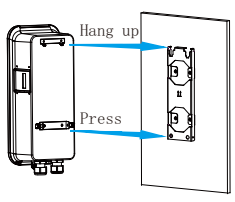
② Step2: Drill 4 mounting holes (6X35 mm) and insert the 4 expansion pipes (Φ 6X28 mm) into the holes.



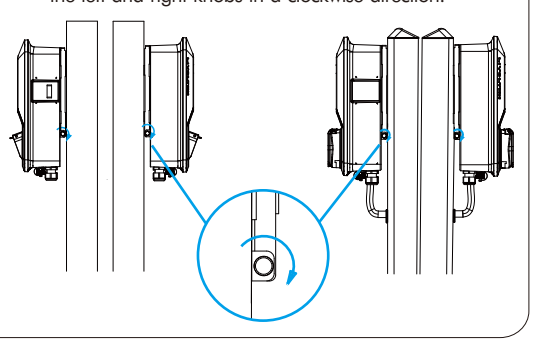
③ Step3: Lock 4 $T3.9x27 tapping screws into the upperexpanslon pipe.



④ Step4: Hook the charger to the bracket via the included bracket.

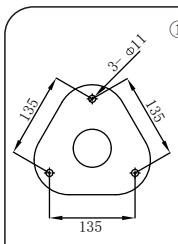


⑤ Step5: After hanging the charger on the bracket, tighten the left and right knobs in a clockwise direction.



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

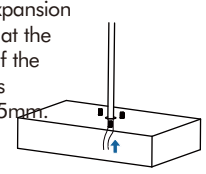
V Column Mounting



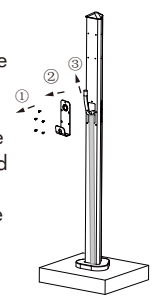
① Step 1: After determining the installation position of the charger and cable alignment, make sure the cable in the center of the charger bracket according to the column mounting hole diagram, and drill 3 mounting holes(12 X 120 mm) on the concrete base.

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.

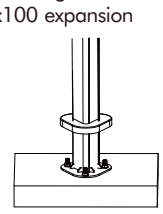
② Step 2: Install three M8x100 expansion bolts into the mounting holes and fasten the expansion bolts to ensure that the exposed height of the expansion bolts is between 15 ~ 25mm.



③ 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.



④ 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.



⑤ Step 5: Thread the hook through the cable and tighten the 5 screws.

⑥ 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.

VI Wire Prepare

Grid cable prepare

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

Stripping cable for single-phase chager

Models	Type	Power cable	Outer diameter range	Stripping length
A0070230E1EY	7kW-connector	3*6mm²	13~18mm	85mm/8mm
A0070230E1SY	7kW-socket			

Stripping cable for three-phase chager

Models	Type	Power cable	Outer diameter range	Stripping length
A0110400E1EY	11kW-connector	5*2.5mm²	13~18mm	85mm/8mm
A0220400E1EY	22kW-connector	5*6mm²		
A0110400E1SY	11kW-socket	5*2.5mm²		
A0220400E1SY	22kW-socket	5*6mm²		

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

-Heat shrinkable tube: 40mm;
-Outer extension: 10mm;

③ Step 3: Use the tool to crimp insulated terminal

crimp terminal for single-phase chager

crimp terminal for three-phase chager

Network cable prepare

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

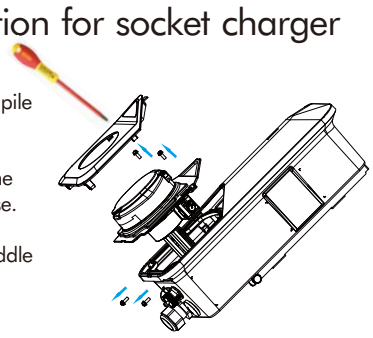
strip the cables

crimp the connector

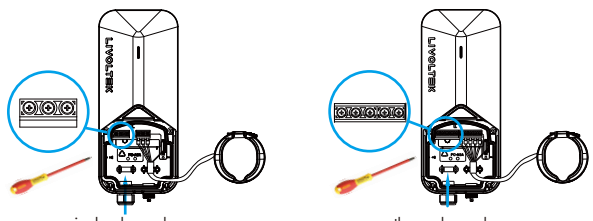
VII Power cable connection

Power cable connection for socket charger

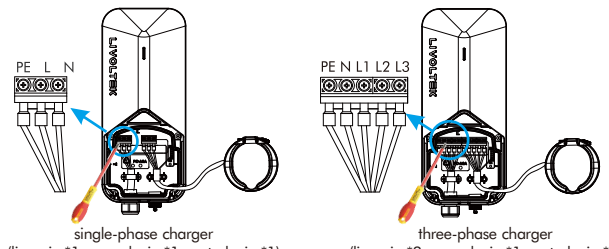
① Step 1: Disassemble the charging pile panel according to the following illustration.
First, unscrew the two screws on the bottom of the charger anticlockwise. Remove the top cover, and then unscrew the two screws on the middle cover anticlockwise to remove the middle cover.



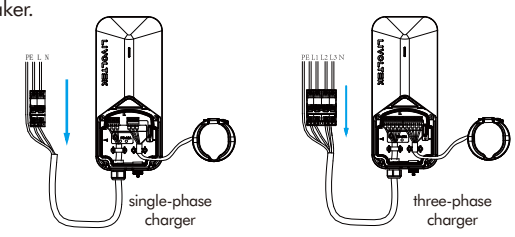
② Step 2: loosen three (for single-phase) or five (for three-phase) screws and one hoop, pass the feeder cable through the charging post feeder sealing ring, and then through the feeder cable hoop.



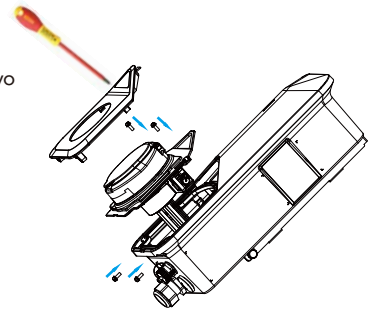
③ Step 3: Insert the cable into the hole before locking, adjust the position of the cable and then tighten the terminals.



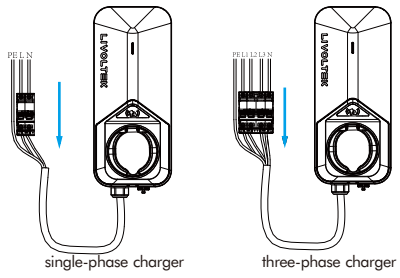
④ Step 4: The front end of the charging pile inlet line must be mandatorily connected to a 40A/4P (20A/2P for A0030230E1SH) circuit breaker, and the corresponding wiring is subject to the requirements of the circuit breaker.



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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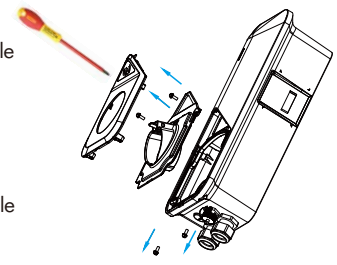

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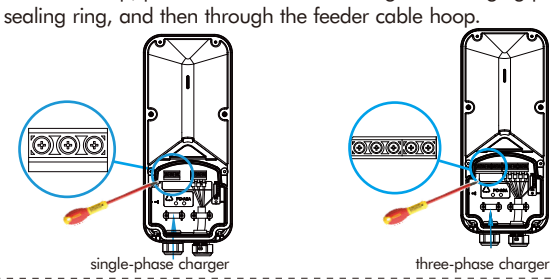
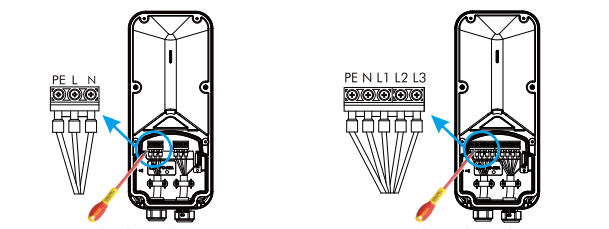


③ Step 3: Insert the cable into the hole before locking, adjust the position of the cable and then tighten the terminals.



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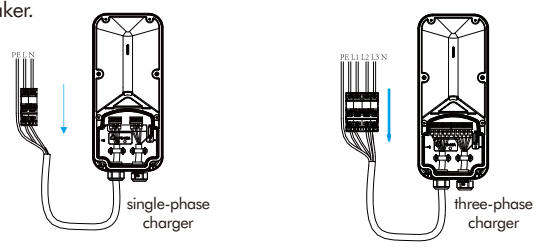

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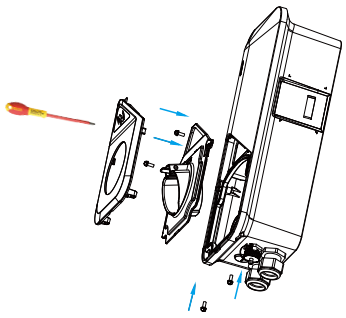

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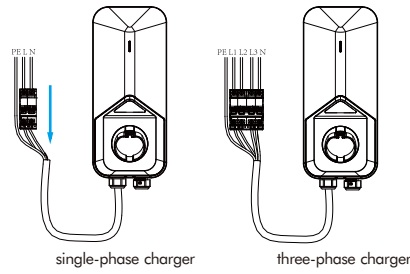
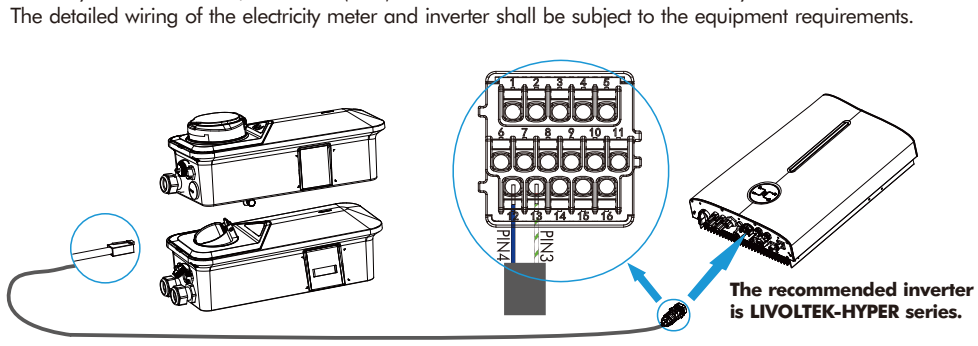


VIII Signal Cable Connection

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.

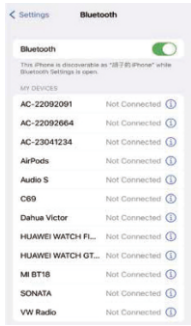


IX Column Mounting

'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.

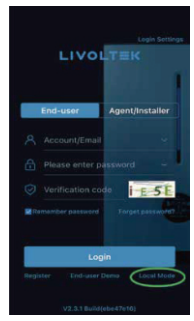
App : Search "My Livoltek" on Apple Store or Google Play.
Web Link 1 : https: //www.livoltek-portal.com/
For Asia, Latin AMerican, Australia and other
Web Link 2: https: //evs.livoltek-portal.com/#/
For Europe, Middle East Regions, Africa

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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