

## CHARGING STATION INSTALLATION MANUAL

2020-7-22 The Fourth Edition

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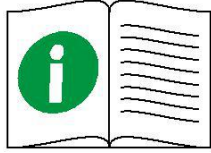
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## Safety first

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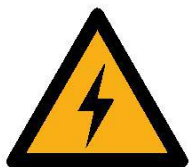
## 1. Safety and user information



Please observe all safety and user information ,  
Relevant local regulations for operating electrical  
devices always apply.



Indicates : Risks arising from damage to the device  
Risks for other users



Indicates : Dangerous electrical currents,  
Dangers to life and limb



Indicates : important information and  
particularities

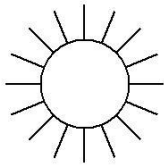


1.Suitable for garages,carports or outdoor as well  
as for underground parking garages, apartment  
blocks, hotel parking lots.etc..

2.For wall mounting or freestanding with matching  
Duostar stainless column,

3.IP class: IP 55(Splash-proof)

## 1. Safety and user information



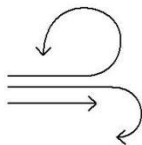
Charging station should not be directly exposed to sunlight



The installation site must offer protection against rain and running water or other liquids



Keep away from fire to ensure personal safety

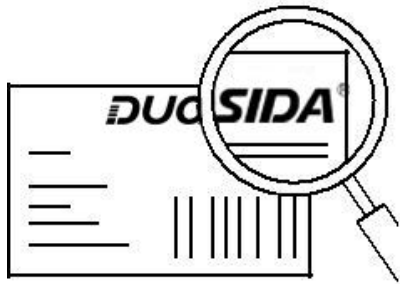


The installation site must offer sufficient space

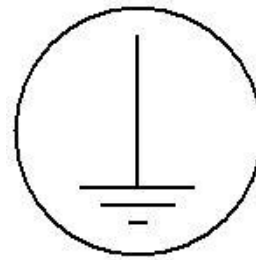


We recommend that this product be installed in a place that is rainproof and sun proof, or it can be equipped with protective function. This can reduce the possibility of failure and extend the life of the product. If you need support, please contact your supplier.

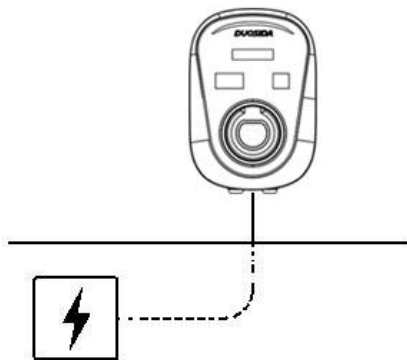
## 1. Safety and user information



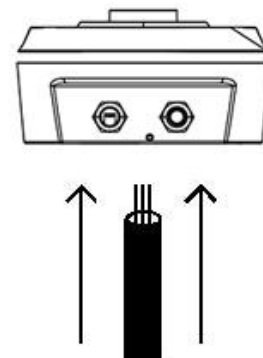
The rated voltage must be observed.



Charging station must be connected to a protective earth conductor

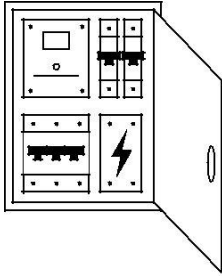


1. Ideally, the installation site should already provide for connection to the electricity grid.
2. Otherwise, a power supply cable must be installed especially
3. If unsure, please contact your Specialist electrical contractor

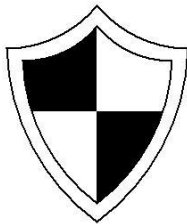


1. Ideally, cable entry is from the underside of the housing base
2. Above or below surface power supply possible

## 1. Safety and user information



The power supply in the domestic power distribution box must be protected separately by a suitable and accurate dimension miniature circuit breaker (C characteristic)



Complies with all technical safety requirements, standards and guidelines.

Represents the current state of technology

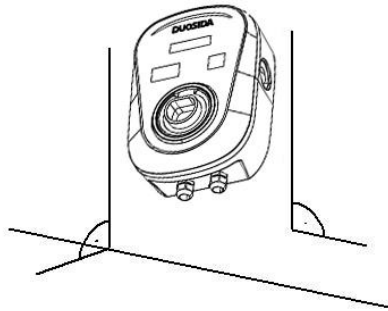


DC fault current detection is required by law in many countries

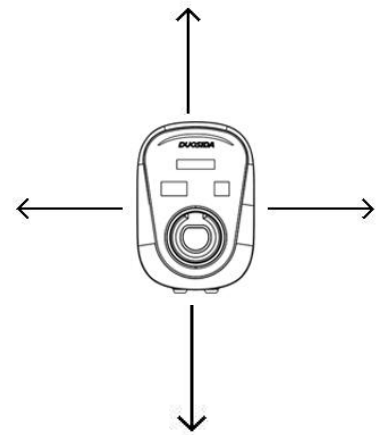
## 2..Installation requirements



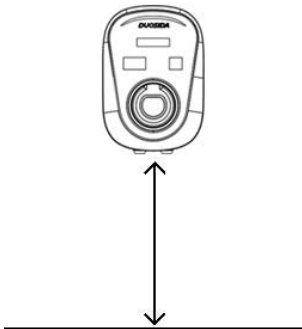
The installation surface  
measures at least  
262 x 222 mm  
(height x width)



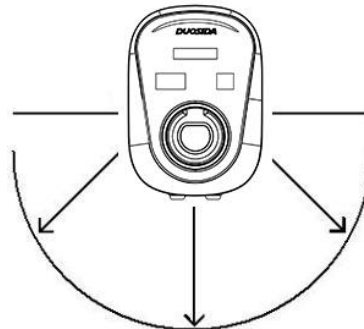
The mounting substrate  
must be level and firm



Minimum distances  
to other technical  
installations must be  
observed

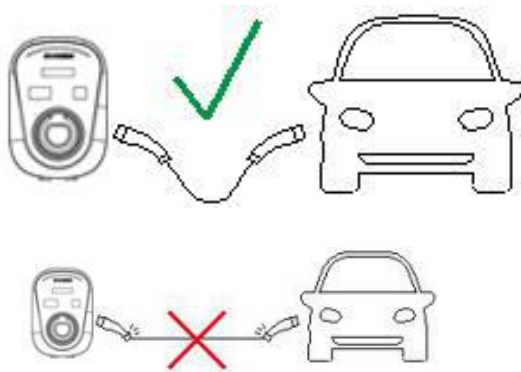


The installation height is  
between 140 and 160 cm  
(floor to bottom edge of housing)



The installation site must be freely  
accessible

### 3.Dos and don'ts



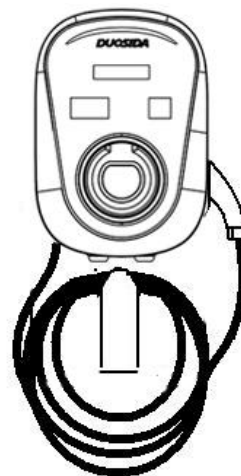
The charging cable must not be  
Under strain during the  
charging process



The charging cable and the charging  
connector must not be driven over

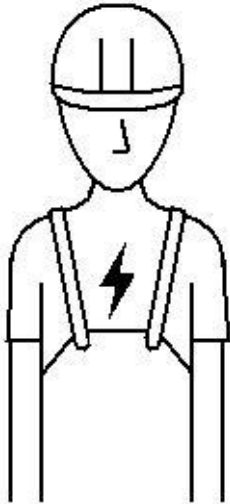


The charging cable must not  
be kinked or twisted



The charging cable must be coiled  
tightly and stored.

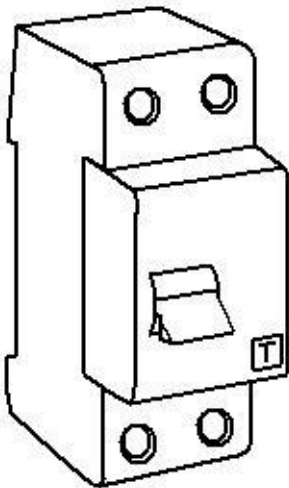
#### 4.Installation notes



(De-)installation and repairs must only be carried out by a specialist electrical contractor

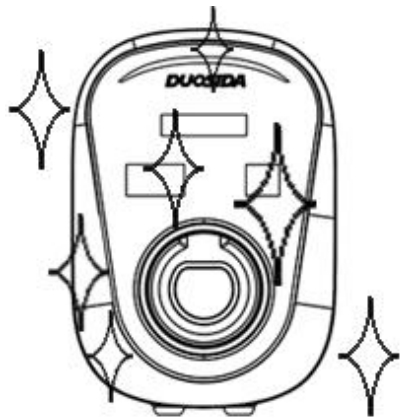
No modifications must be made to the charging station

None of the components need to be maintained by the user



Different model has bit difference in size , appearance and function , The charging station can be installed by yourself according to the following installation procedure

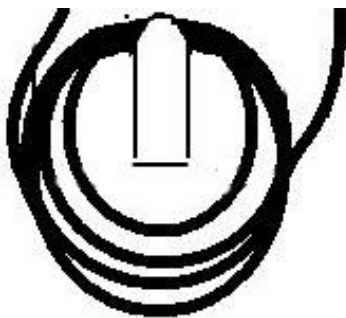
## 5.Cleaning and maintenance



Charging station must only  
be cleaned using a dry cloth



Maintenance must be checked  
regularly

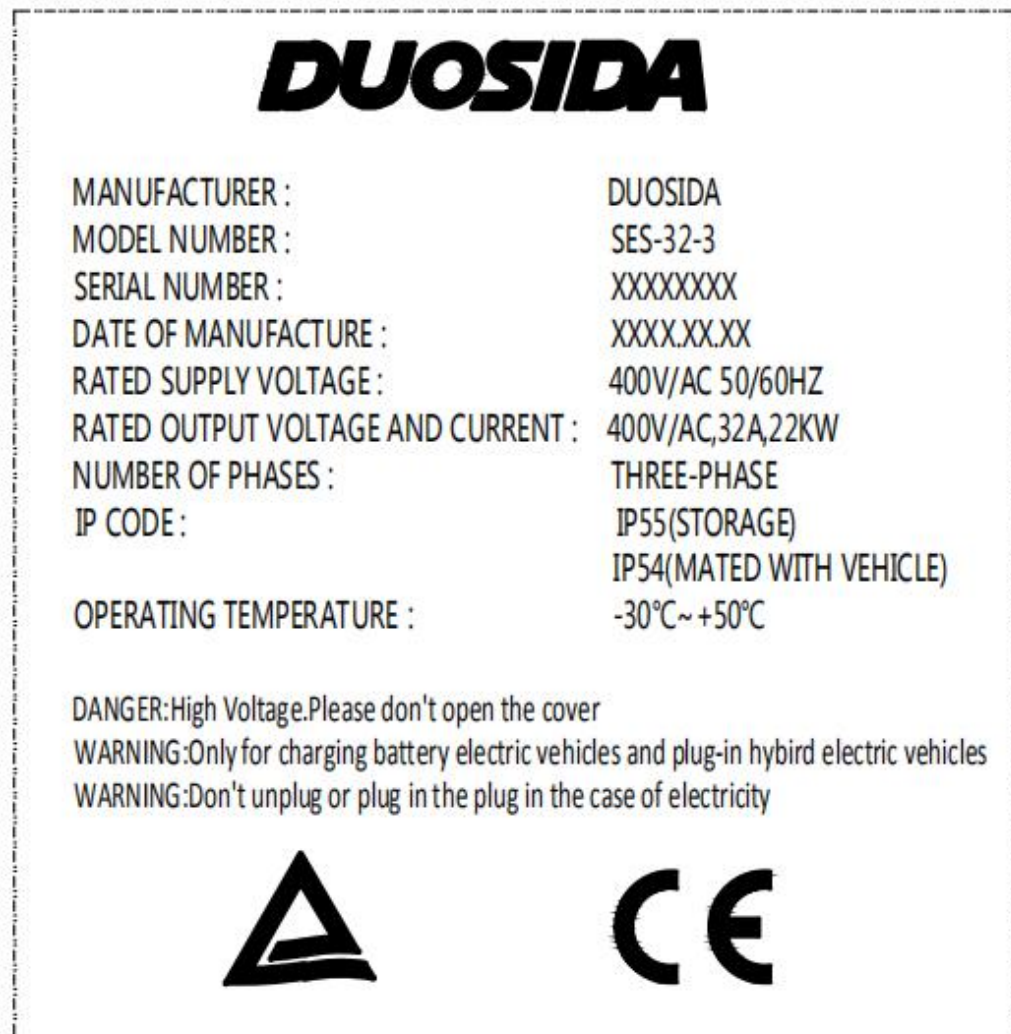


Cable must be checked regularly if there is any  
damage or aging phenomenon

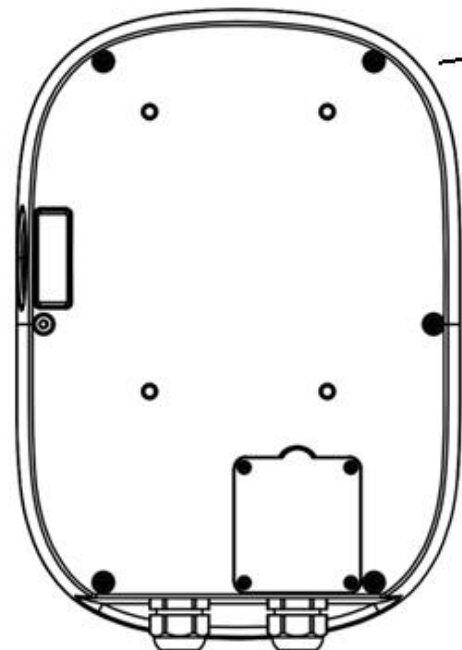
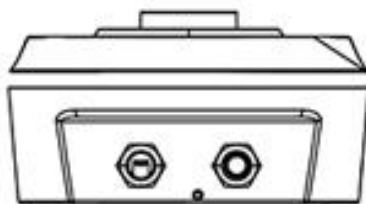
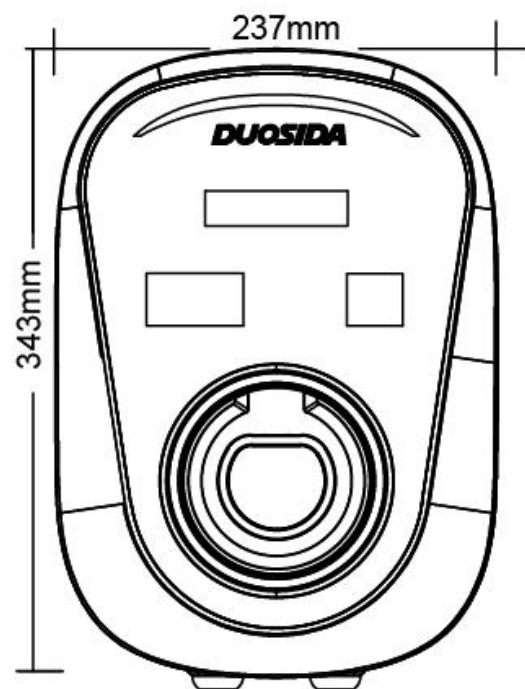
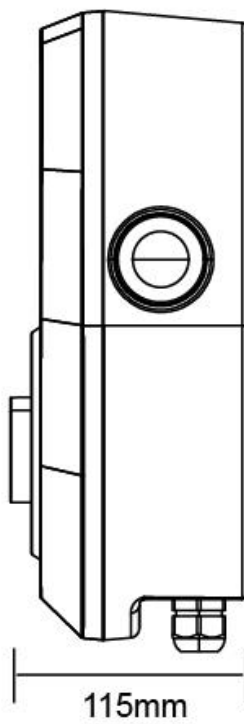
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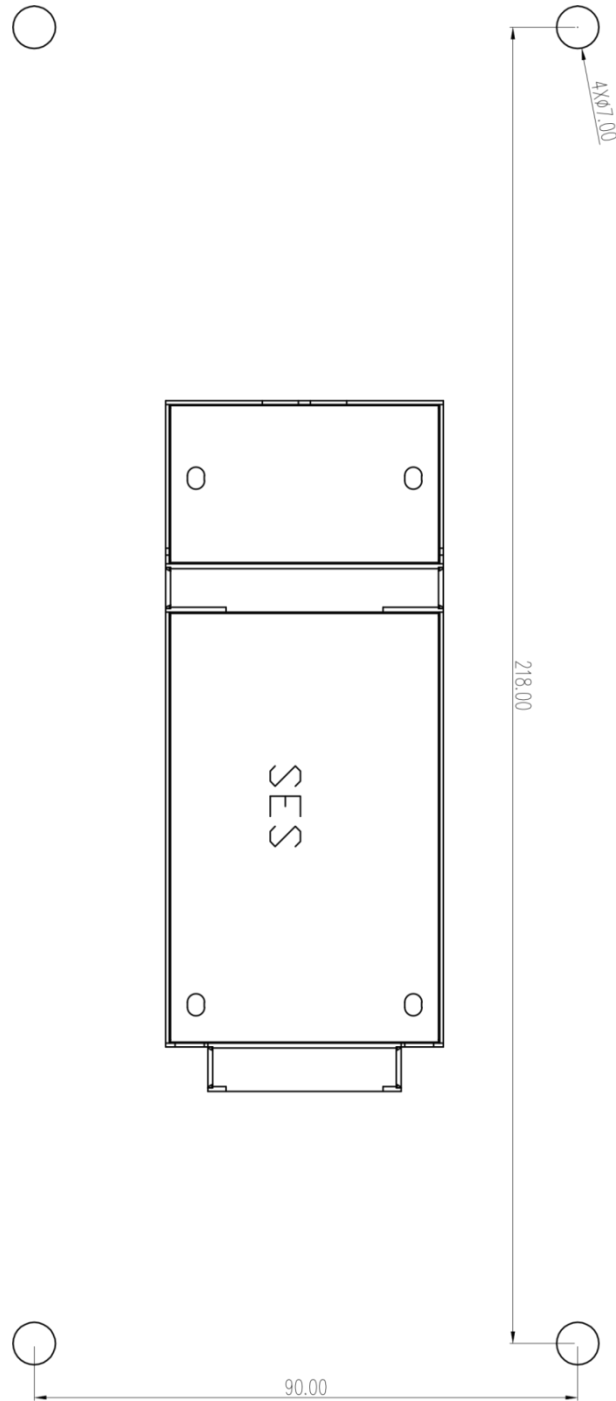
## 1.Product information



## 2.The dimensions



### 3.Drawing



Installation drawing

#### 4.Mounting plate



Mounting plate

Fixed behind the charging station  
housing



Mounting plate

Fixed to wall

## 5.Expansion bolts and screws



## Screws and tools for fixing charging station



Hook: it is used to wind and fix charging cable

## 6.Charging station body



Charging station body

## 6. Charging plug



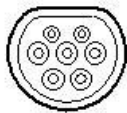
V4-DSIEC2b-EV32P



V4-DSIEC2e-EV32P

Charging gun : Provide 16A / 32A for choosing

Superior protection performance, the protection level reaches IP54 (working state)



## 8.Style - wall mounted

Technical specifications:

Installation method: wall mounted

Maximum power: 22W

Communication interface: (optional)

☐ GPRS ☐ WIFI ☐ RFID

Outdoor protection:

Without power supply - the waterproof protection grade can reach up to IP55

With power supply-The waterproof protection grade state can reach up to IP54,under coupling state

Safety regulation: Meet IEC 61851 and IEC 62196

Operating temperature:

ambient temperature - 30 °C to 50 °C

Output type:

EN 61851-1 MODE 3

22KW: 400VAC@32A



Basic functions:

Starting mode: charge when plug

Optional : ☐ RFID Card

Reminder function: charging indication and fault indication

Self-test function: fault self-position (can be checked in the background after being networked)

Human-computer interaction:

Optional: ☐ LED display ☐ No Led display

Safety protection:

Double leakage detection and protection

Emergency stop button protection

Over current, over voltage, under voltage and over temperature protection

Data record if Power off (can be checked in the background system if being networked)

Surge protection meets the latest IEC 61851 standard

EMC meets the latest IEC 61851 standard

## 8.Style - Stake

Technical specifications:

Installation method: stake-type mounted

Maximum power: 22W

Communication interface: (optional)

☐ GPRS ☐ WIFI ☐ RFID

Outdoor protection:

Without power supply - the waterproof protection grade can reach up to IP55

With power supply-The waterproof protection grade state can reach up to IP54,under coupling state

Safety regulation: Meet IEC 61851 and IEC 62196

Operating temperature:

ambient temperature - 30 °C to 50 °C

Output type:

EN 61851-1 MODE 3

22KW: 400VAC@32A

Basic functions:

Starting mode: charge when plug

Optional : ☐ RFID Card

Reminder function: charging indication and fault indication

Self-test function: fault self-position (can be checked in the background after being networked)

Human-computer interaction:

Optional: ☐ LED display ☐ No Led display

Safety protection:

Double leakage detection and protection

Emergency stop button protection

Over current, over voltage, under voltage and over temperature protection

Data record if Power off (can be checked in the background system if being networked)

Surge protection meets the latest IEC 61851 standard

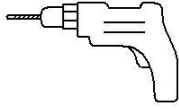
EMC meets the latest IEC 61851 standard



## The installation procedure

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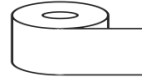
## 1.Installation tools



Electric drill



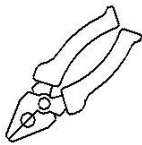
Wrench



adhesive tape



bolt driver



Pliers



The knife



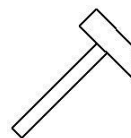
scissors



pencil

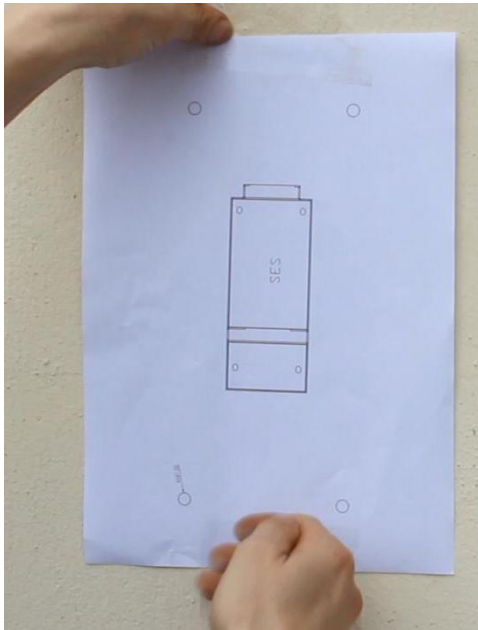


screw

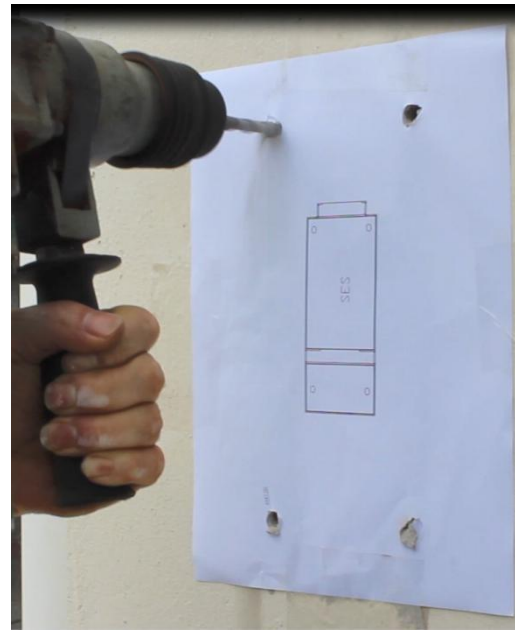


hammer

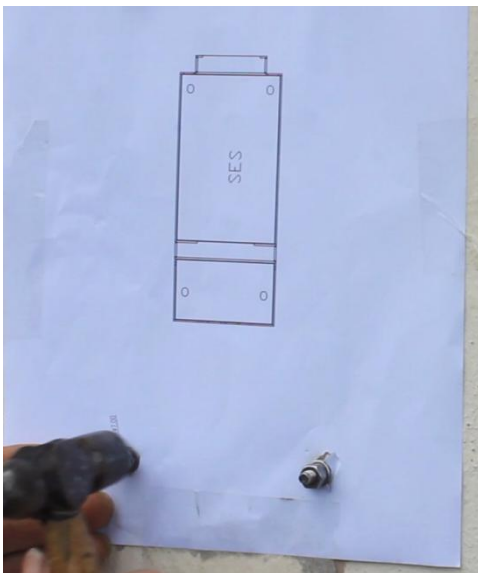
## 2.Installation process



1.First, stick the drawing on the wall with tape to decide the drilling hole position



2.Drill holes in the four corners with an electric drill



3.Knock the expansion screws in fixed holes with hammer



4.Hang the mounting plate on the screw

## 2.Installation process



5.Tighten the screw with a wrench



6.Tighten the screw with a wrench

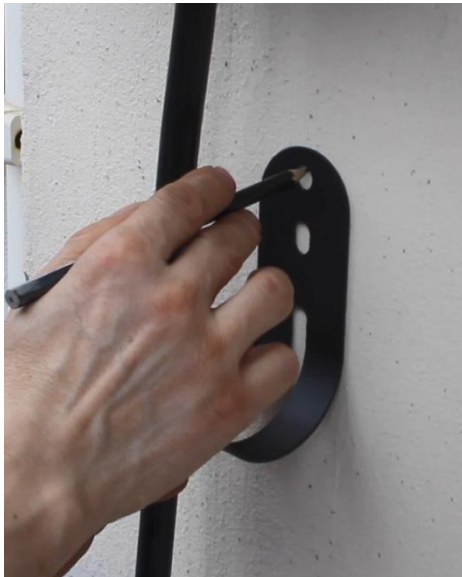


7.Hang the main body of the charging station on the mounting plate



8.Tighten the anti-theft screw to ensure outdoor safety

## 2.Installation process



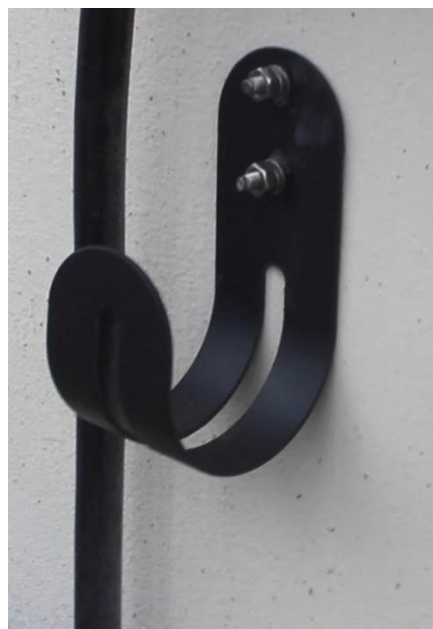
9. Use a pencil to draw location where the hook needs to be punched



10. Use an electric drill to make holes in the drawing position



11. Drive the expansion screw in with a hammer



12. Tighten the screw with a wrench