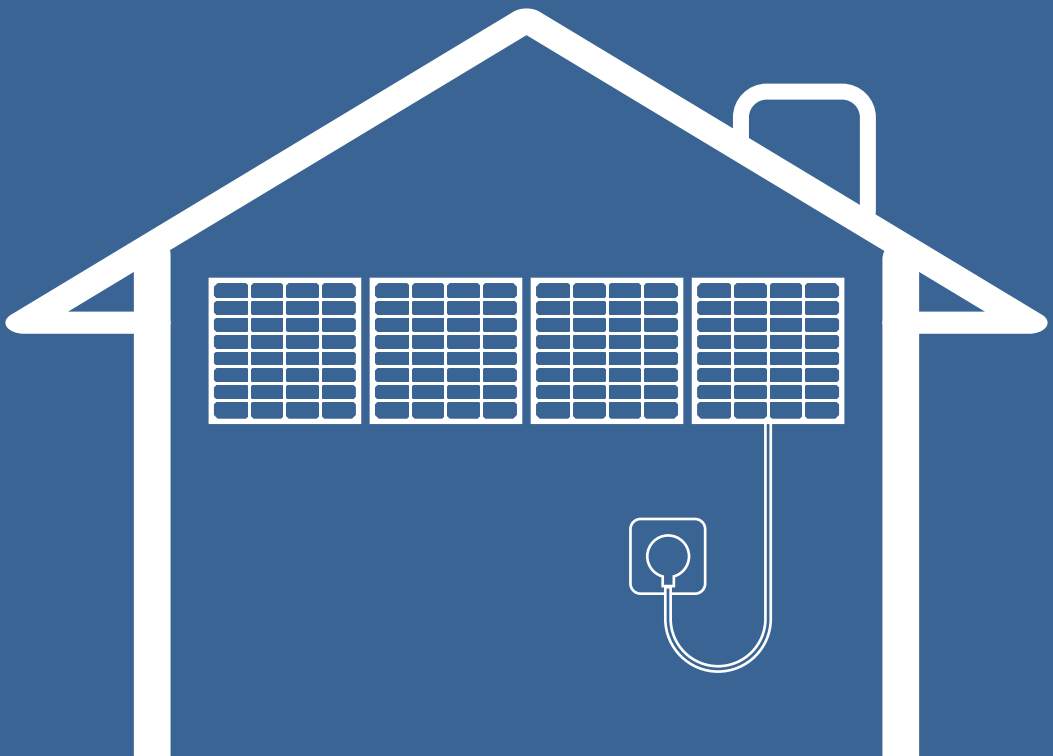
CASCA®

SOLAR POWER KITS
INSTALLATION INSTRUCTION



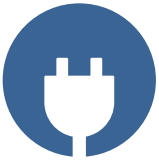
CASCA®

Green energy for
the planet and its people

Contents

CASCA®

Basic Elements



Standard Electrical Installation

-230V16A2P+T socket connected to high-quality grounding
-1.5mm2 circuit, protected by a 16A magnetic thermal circuit breaker or cable
-2.5mm2 circuit,protected by a 20A magnetic thermal circuit breaker
-The circuit is protected by a 30mA differential circuit breaker

A sunny space from morning to night

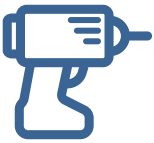
All modules must be completely
exposed to sunlight

The inclination angle of the module

Priority southbound

It can be achieved in the southeast or southwest
direction~ 90% productivity.

Usage Tools



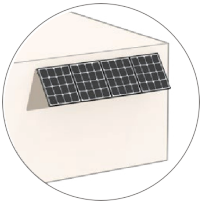
1 drilling rig

(Length is 6mm)

1 Phillips screw

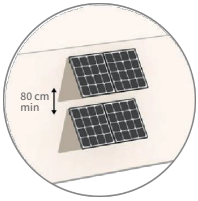
Or 1 screwdriver

Best configuration



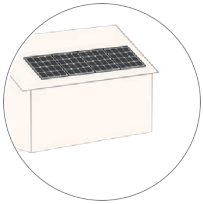
Tilt the line on the facade

All kits should face the sun in the same way



Tilt a square on the facade

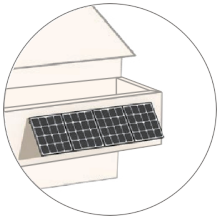
The difference between them is 80 centimeters
Upper and lower modules



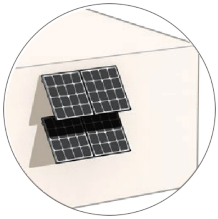
Flat on an inclined surface

Its height is like a small wooden house with a wooden structure

Configuration that should not be performed

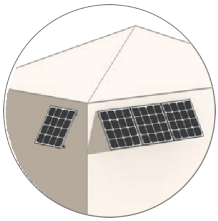


Do not place components on unsuitable balconies*

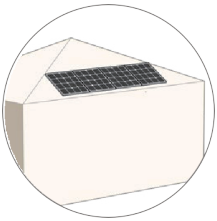


Avoid projecting shadows between the module and the roof at a distance of 80 centimeters

Avoid shadows from the environment (Trees,antennas,adjacent buildings...)

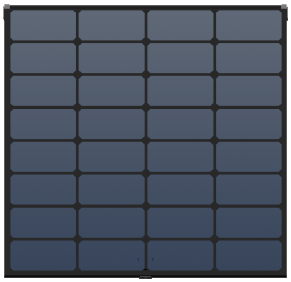


Do not include modules in the same kit
Point in different directions.

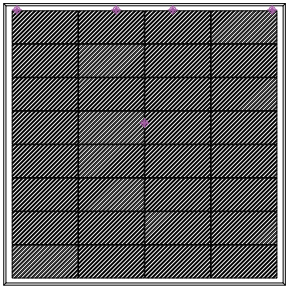


Do not place the bracket on the roof of a residential building
The fixed bracket is not intended for this purpose

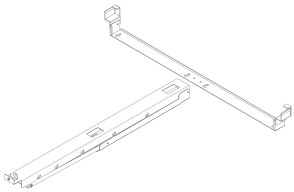
Main parts



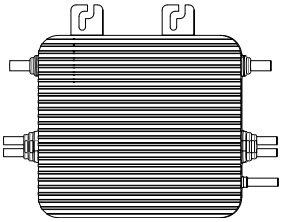
X4 module



X4 double-sided sticker

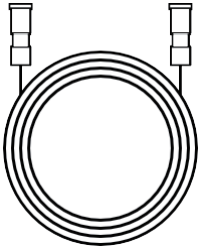


X4 bracket 1+1

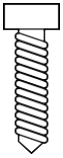


X1 inverter

Accessories display

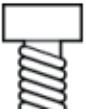


X1 DC expansion cable

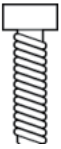


X20 screw M6x20

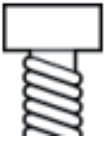
X20 expansion screw rubber plug



X8 screw M5x8



X4 screw M5x35



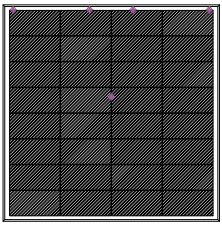
X4 screw M8x10

Expansionscrewrubber plug are multi component material, Diameter 6mm, depth30mm

Suitable for installation on stone, concrete, full brick, or standard anchor wood walls.
For other materials, please choose the solution that suits your wall.

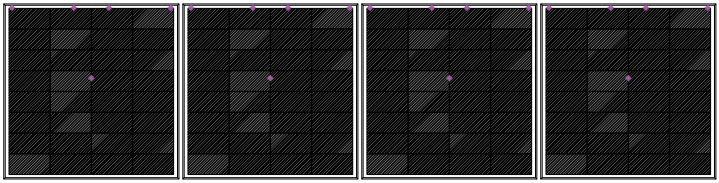
Brackets placement

1 Use double-sided stickers to position all patterns.
Check their alignment and position



X4 double-sided sticker

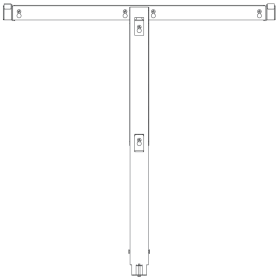
2 Drill holes according to the image on the sticker



3 Assemble the bracket and check if the hole markings are correct

Stack the support on the wall.
You must install your bracket through a hole in the wall.

Tracking location

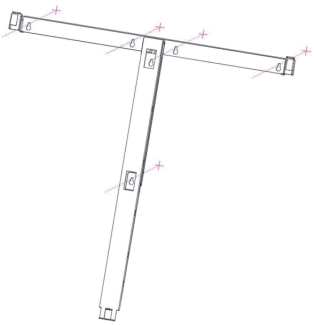


4 Screw bracket using five screws onto the wall

If necessary, drill holes first.
Attention: Check for cables or pipes before drilling.

Add bracket and fifth screw
Check the correct clamping of the five screws

Repeat for the four brackets.

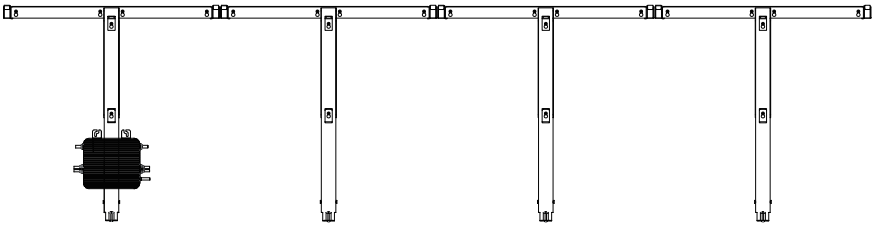


X20 screw

tracking position

5 Connect the inverter to the bracket closest to the home socket

Connect the inverter to the bracket support.

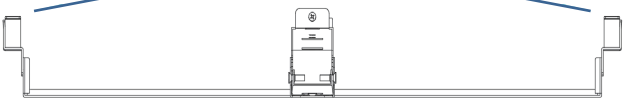


Installing solar panels

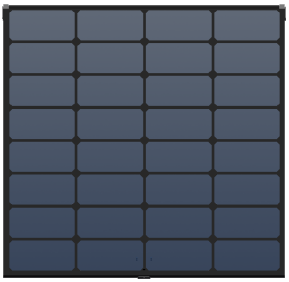
Be careful! Do not scratch

The back of the panel (black part) is also a fragile part, and its deterioration may affect the lifespan of the panel.
Handle with care.

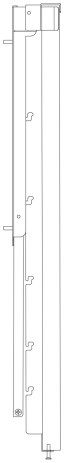
Adjust the horizontal position of the two end clamps



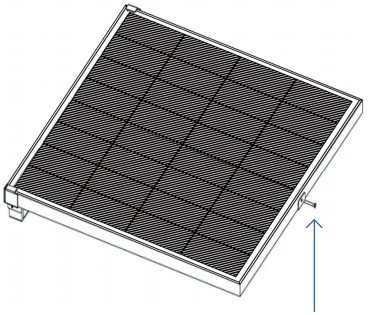
6 Adjust the horizontal position of the end clamps and insert the solar panels into the front end clamps
Then press in the rear end clamp and lock the fixing screw.
Repeat the action 4 times.



X4 module



tighten the fixing screws

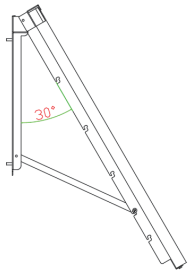


tighten the fixing screws

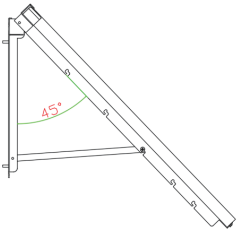
7 Use the tilt module and tighten the two fixing screws

Solar panels have 30°, 45°, 60°three angle canbe choosedaccording todifferent the installationarea

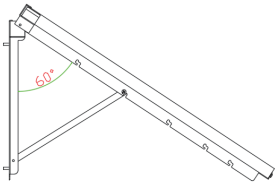
A. 30 °



B. 45 °



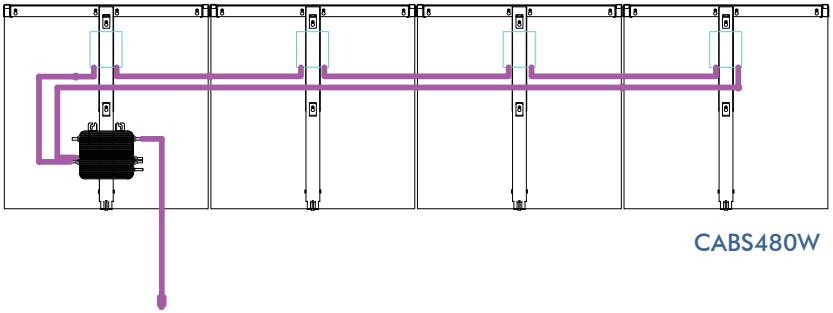
C. 60 °



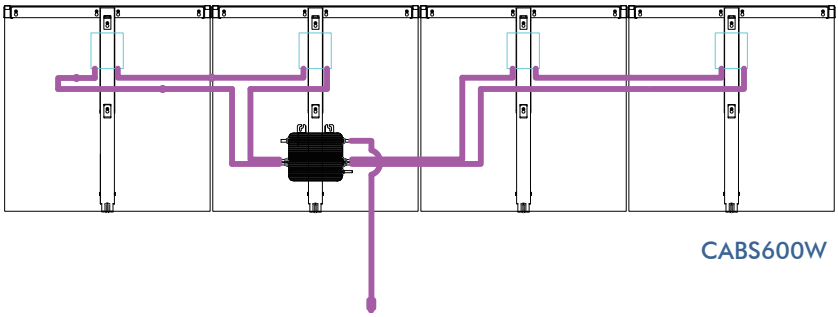
Kits Cable Connections

8 Connection Option A Line Solar Panels Connection

1. Fix the inverter on the bracket
2. Connect the modules to each other using connecting cables
3. Connect the DC cable from the solar panels to the inverter
4. Connect the inverter to a 230V socket



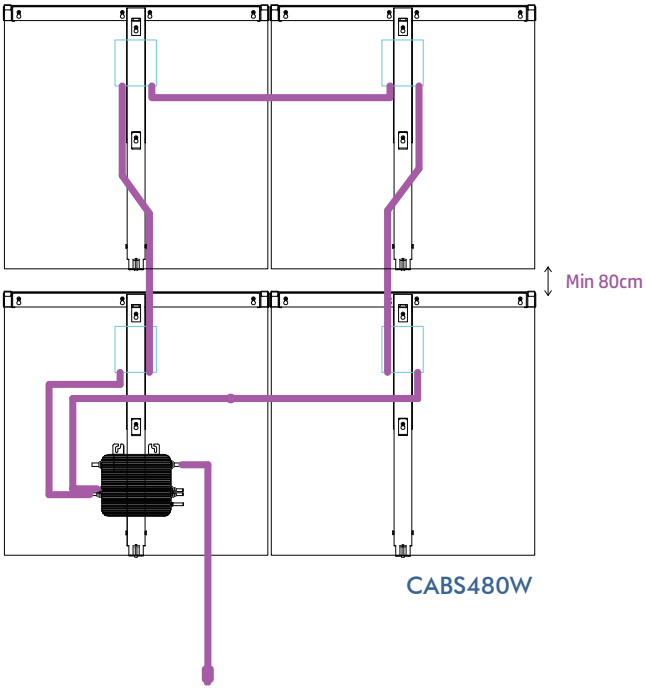
CABS480W



CABS600W

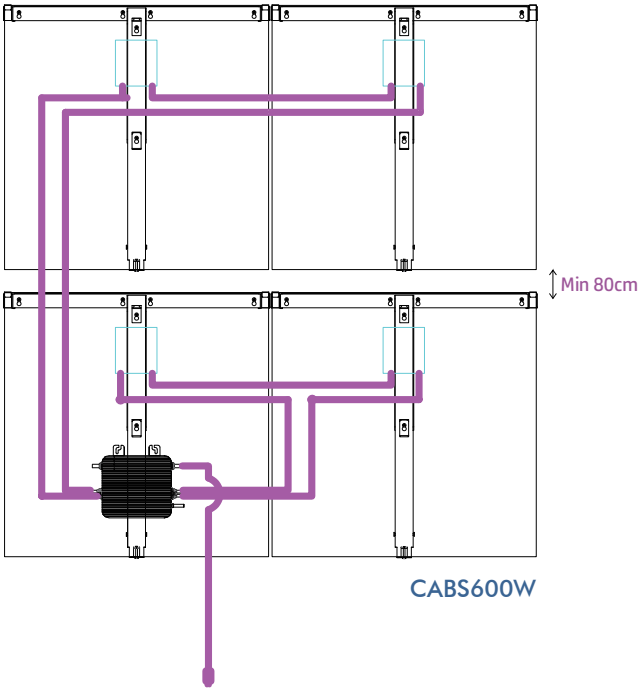
Connection option B: Connect the solar panels into a square shape

1. Fix the inverter on the bracket
2. Connect the modules to each other using connecting cables
3. Connect the DC cable from the solar panels to the inverter
4. Connect the inverter to a 230V socket



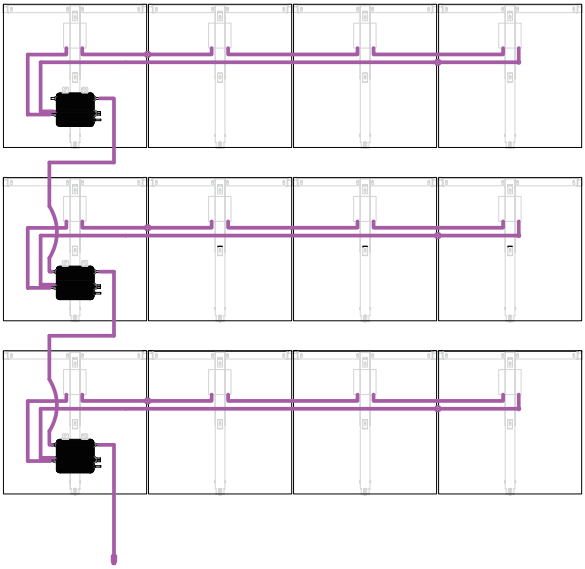
Connection option B: Connect the solar panels into a square shape

1. Fix the inverter on the bracket
2. Connect the modules to each other using connecting cables
3. Connect the DC cable from the solar panels to the inverter
4. Connect the inverter to a 230V socket



Connection option C: Connect multiple units of solar power kit

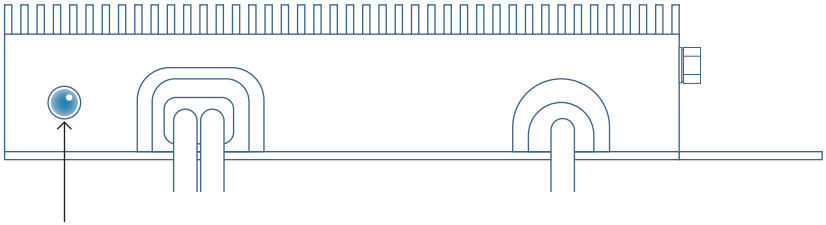
1. Fix the inverter on the bracket
2. Connect the modules to each other using connecting cables
3. Connect the DC cable from the solar panels to the inverter
   - Connect 1# inverter AC output plug to 2# inverter AC input interface
   - Connect 2# inverter AC output plug to 3# inverter AC input interface
   - Connect (n-1)# inverter AC output plug to n# inverter AC input interface
4. Connect the inverter to a 230V socket



You are producing your green electricity

9 How does the inverter working ?

After 1 minute, highlighting is not important.



LED light position

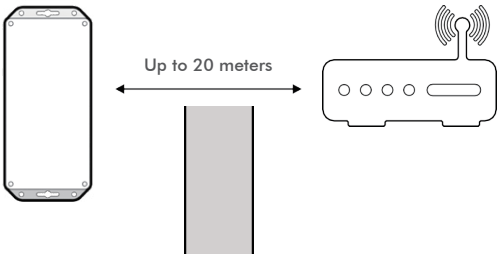
Your Inverter isnot ready yet?

OperationLED	Status	Meaning
	Flashing Slow Blue	Producing small power
	Flashing Fast Blue	Producing big power
	Flashing Red	Not producing power
	Red blinking two times	AC low-voltage or high-voltage
	Red blinking three times	Grid failure

Activate your inverter

Before starting

Your inverter must be within a maximum distance of 20 meters from your WiFi router, and there must be no partition between the two.
Beyond this, the WIFI signal may be too weak to communicate with the inverter with high quality.



Enabling the inverter allows you to track your production through the My APP application.
Even if the inverter is not activated or the WiFi is too low to return production data, your Power kits will still generate electricity.

10 Scan QR code to obtain installation instructions and user manual for the inverter.

Scan QR code for
the Installtaion/User Manual
of Micro inverter

Scan QR code to download
the inverter APP(Smart Life)
Android Only

CASCA®

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