

# BATTERY RACK ASSEMBLY GUIDE

## List of Components.

1. Front glass door \*1



The door includes a hole for installation of the lock, ground connection.

2. Side door \*2



The side doors are installed without any extra accessories.

3. Top cover \*1



The top of the rack includes 1 or 2 heat dissipation fans depending on the size of the RACK. The sizes for 4 batteries (U8) include 1 fan and the size for 6 or 8 or more batteries includes 2 fans.

4. Rear wall bracket \*1



The rear panel is anchored to the wall, maximum supports 60KG

5. Back panel \*1



It will be screwed with 6 screws.

6. Structure table \*2



It is the Rack chassis, essential. When installing, check the direction of the slots carefully, it is important for closing the side doors.

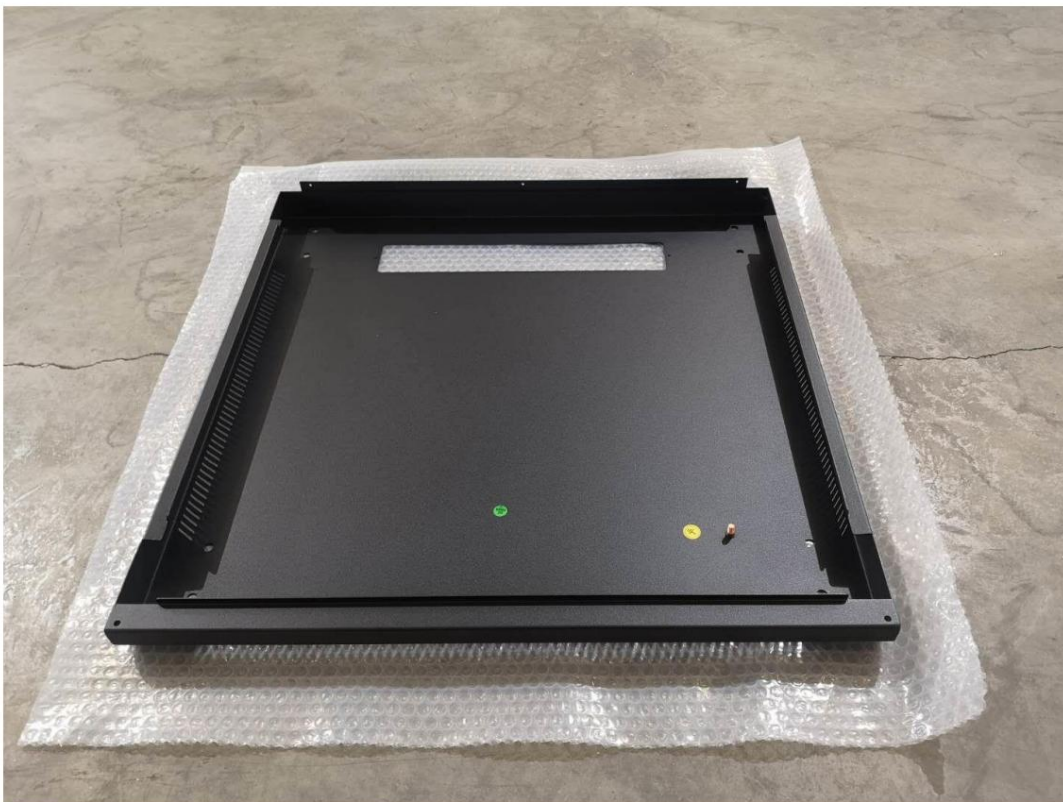
Lithium battery RACK assembly manual

7. Cover (dashboard) for ventilation/wiring cover \*2



It is screwed like the back of the rack, 2 screws for each cover. It serves to cover the upper and lower ventilation.

8. Bottom cover \*1



Base of the rack, includes a ground connection ventilation hole to connect the door and a hole for the structure panels.

9. Mounting angle \*4



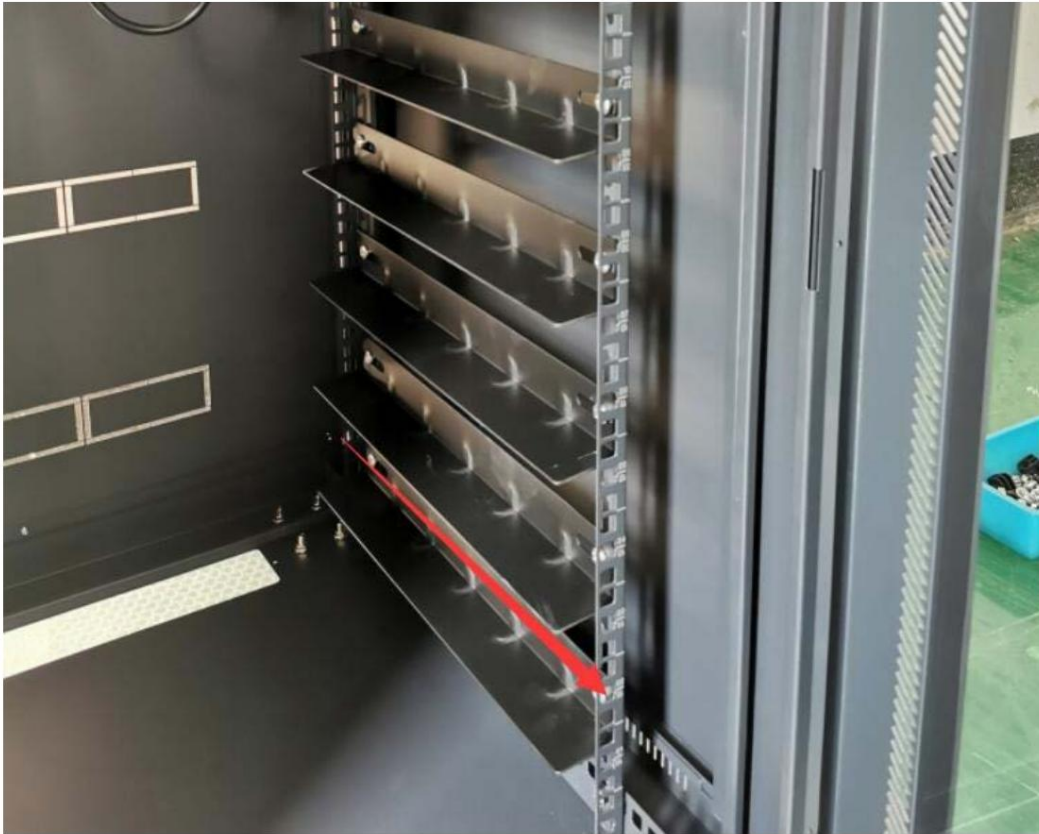
It is the upper and lower base to anchor the profiles.

10. Mounting profile \*4



The profiles where the batteries and shelves will be screwed frontally.

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11. Battery shelves



Depending on the rack size if it is 8U, 12U, 16U. Includes X shelves.

12. Bag of screws and accessories

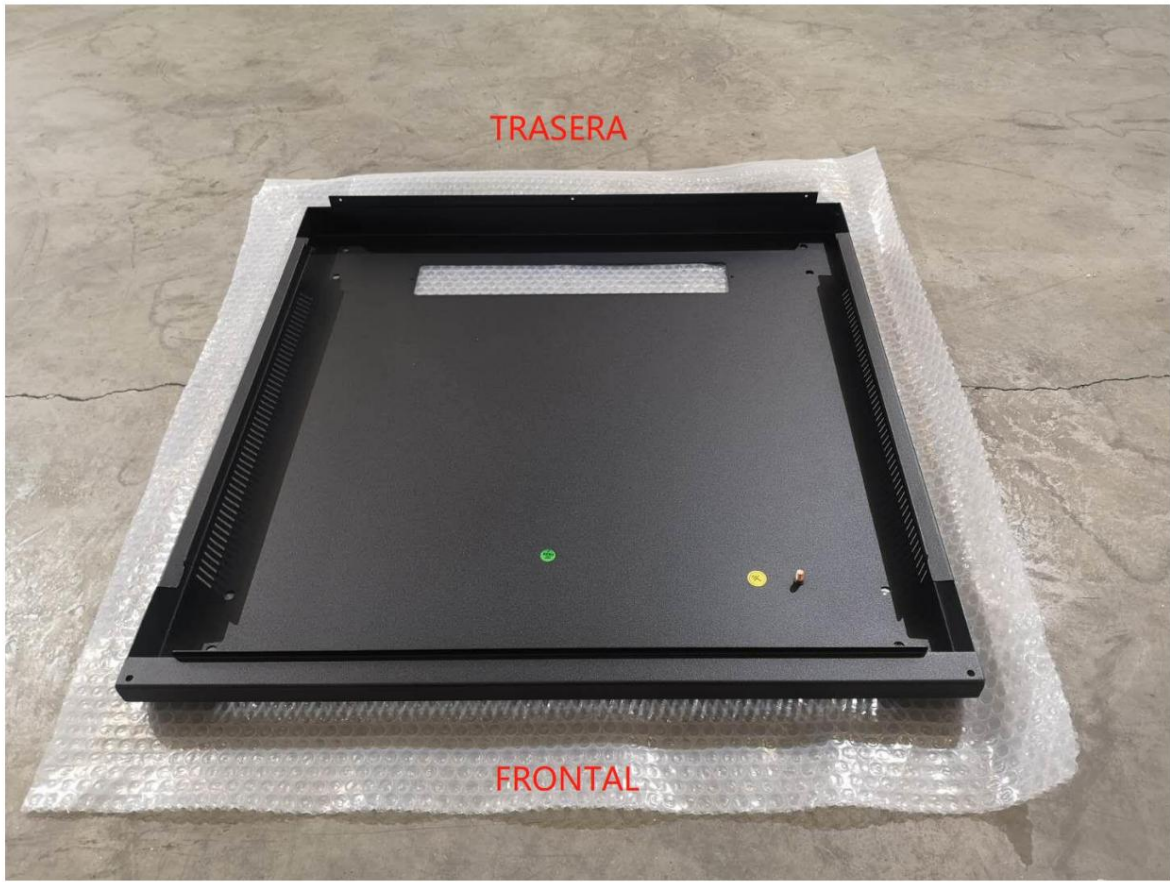


Includes, M8 12U hex screw for chassis, M4 8U self-tapping for rear support and ventilation, M6 12U washer, M6 12U cage nuts for batteries, M6 hex screw for tray.

## Rack assembly

### 1. Initial assembly

Have a flat and spacious surface for comfortable assembly.



We will start at the base of the rack, the rear part of the rack is the part where the ventilation hole is, The front part is where the ground connection is located to connect the door.

We positioned the rack direction well for a more comfortable assembly.

### 2. Rack chassis assembly.

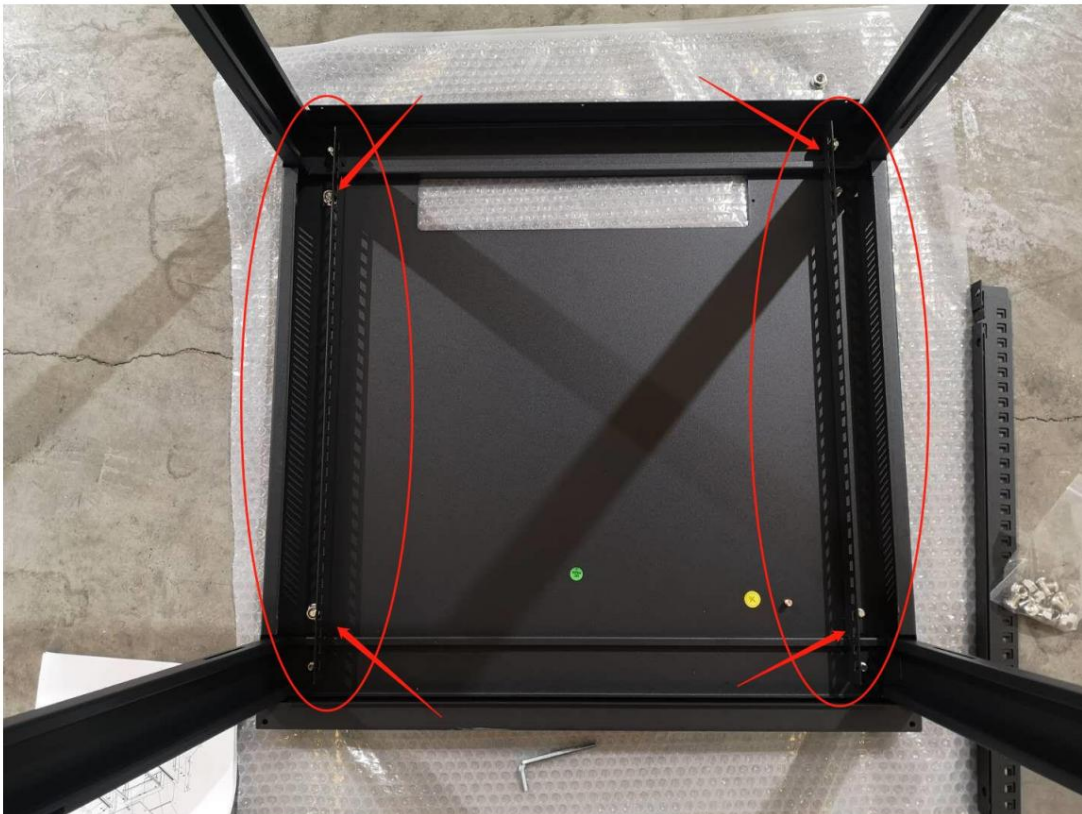


We place the rack chassis in the predesigned holes of the rack.



IMPORTANT: the rack chassis has slots for the side doors, please make sure the position you have the slot for indicated, the grooves facing inwards on both sides. Thus, when placing the side doors, , secure the door in its position.

### 3. Installation of mounting angles (bottom)



With the tab facing inwards we place the angles inwards, we use the hexagonal screws to anchor the chassis together with the angles to the bottom of the rack.





Tighten the screws well with the Allen key, using pliers.

#### 4. Assembly of the top part of the Rack.



The top of the Rack has slots to perfectly fit the rack chassis.

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5. Installation of mounting angles (top)



The installation of the angles on the upper part is the same as the lower part.

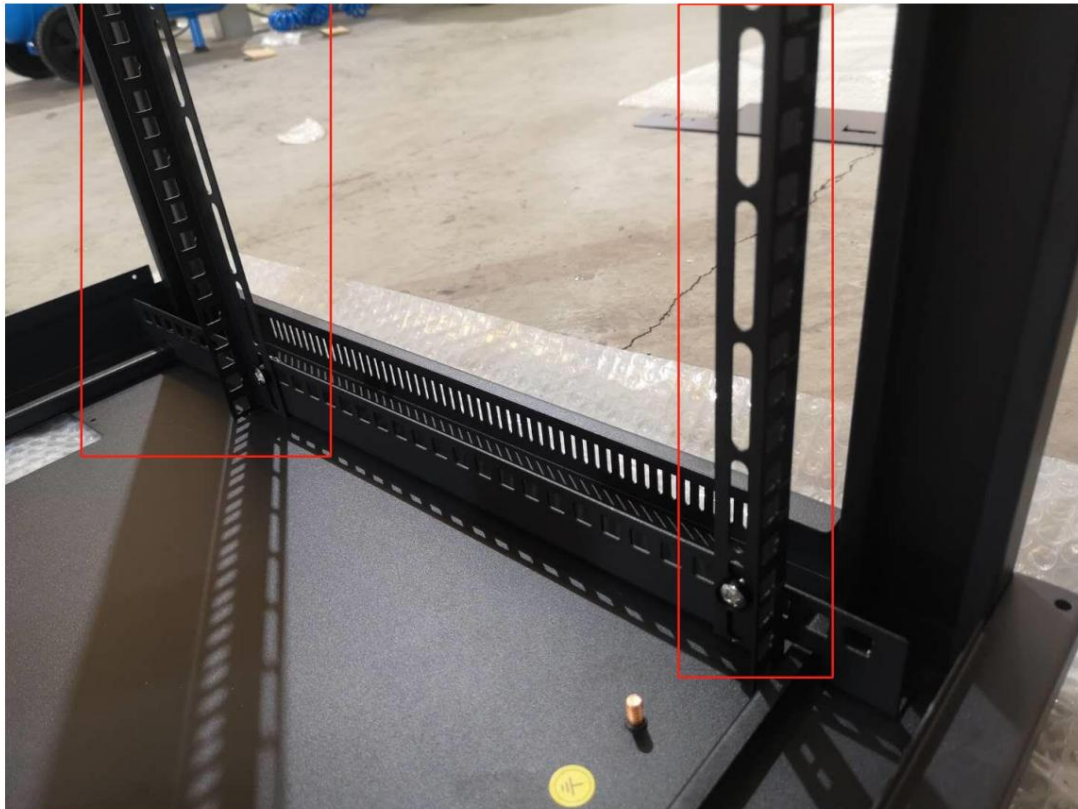


We place the angles with the tab facing inward and screw with the hexagonal screws. 4 screws for each angle 8 to anchor the chassis, angle to the upper piece.

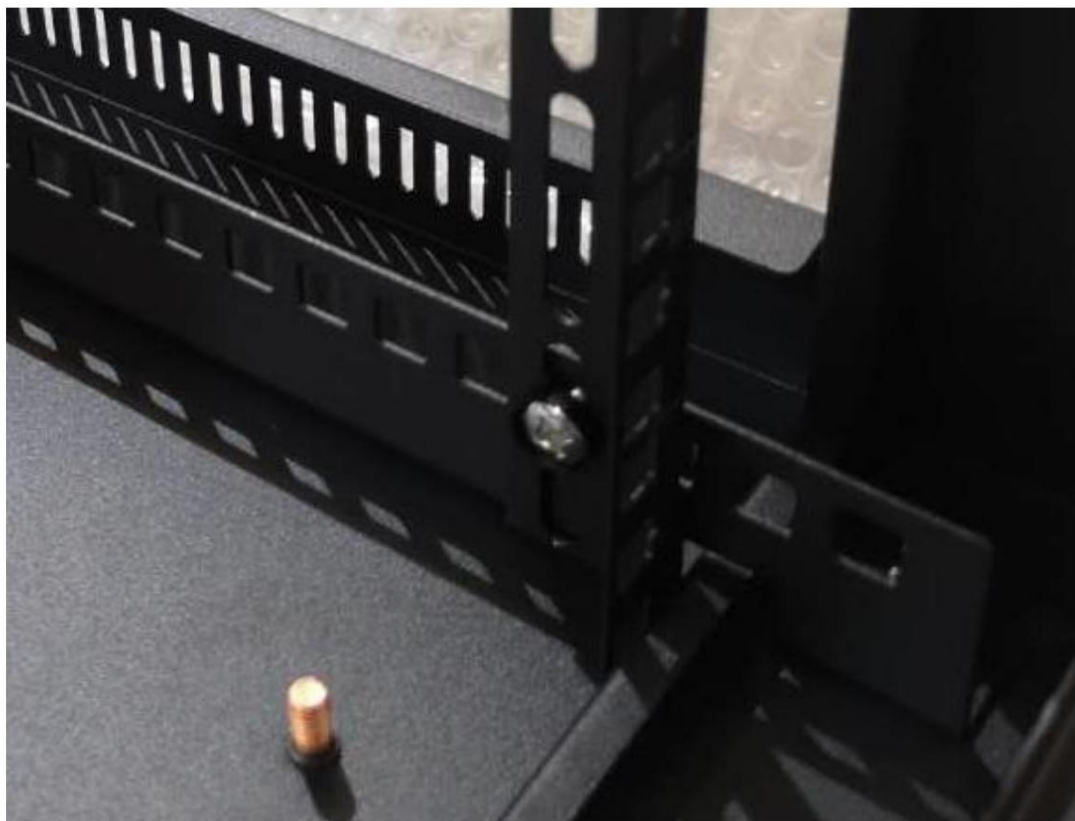


Screw tightly with the Allen key and with the help of pliers.

#### 6. Installation of the profiles.



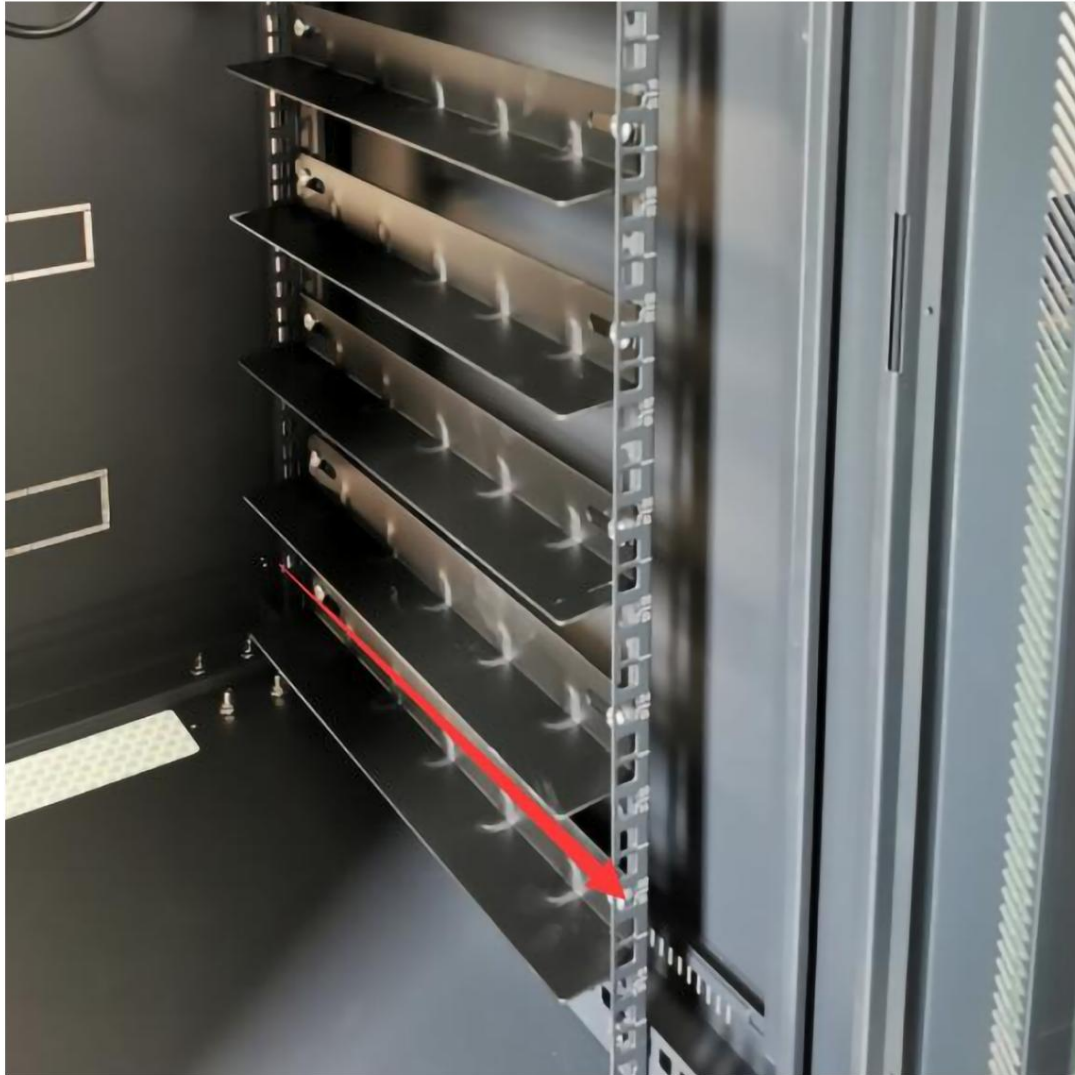
The profiles are screwed to the top and bottom of the previously installed angles, screwed with the M6 screws in the part with the elongated gaps of the profiles. The front part in hole 4 of the angle, in the back part in hole 10 counted from the back, just for the rack tray.  
Installation of a whole of 4 profiles, 2 front and 2 rear.



Make sure the profile position and screw well, top and bottom.



As shown in the image, the profiles must match the width and depth of the rack tray.



We place the shelves at the height we want, with the positions of the profiles, they should fit the size of the shelf perfectly, we screw with the remaining m6.

7. Side doors installation.



Placing the door is very intuitive, the important part is securing the slots for the door latch.



This is how it will look when placing the side doors.

8. Back plate



Using the x6 self-tapping screws, we screw as shown in the image.

9. Front door of the rack.



We locate the piece shown in the image.



In the lower right front part, there is a hole where we will place the piece in question.

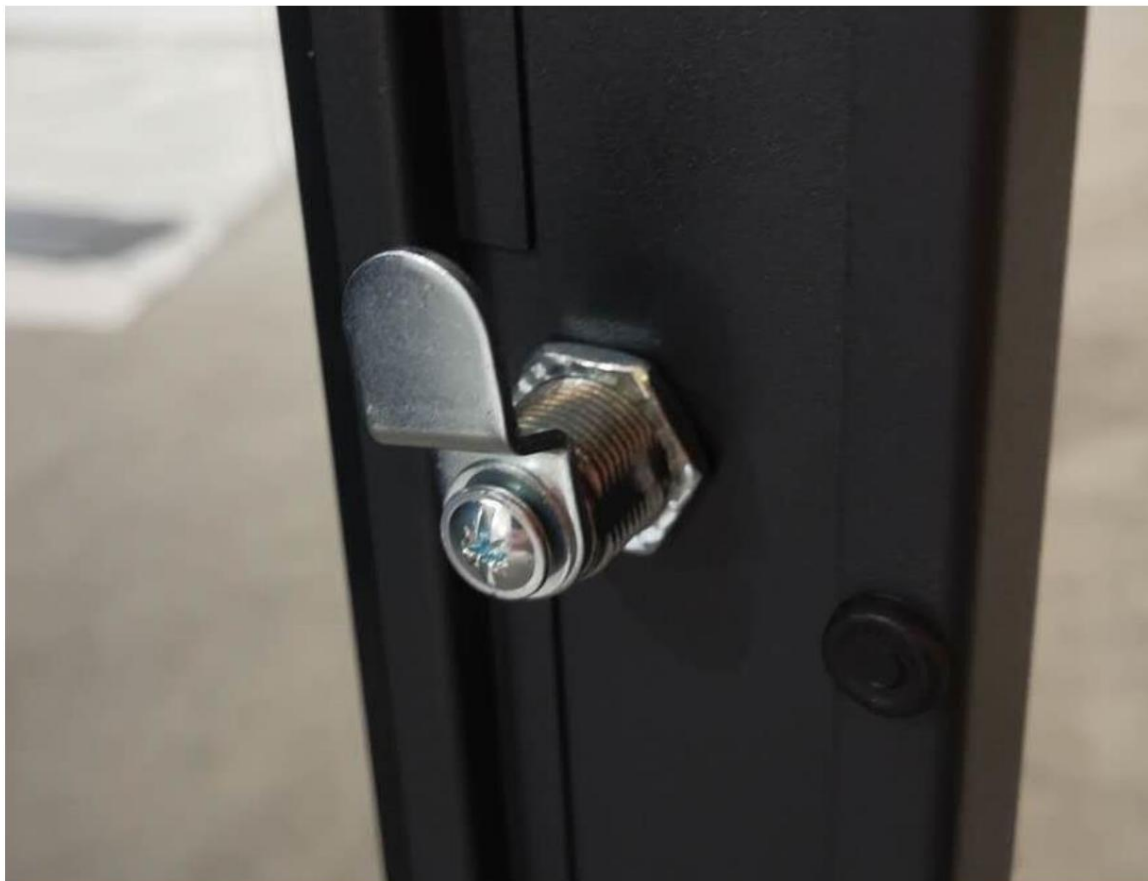


We place the door in the indicated position.





We look for the door lock and install it.



As shown in the image, once the lock has been installed.



Installation of door grounding as shown in the image.



The covers for wiring or ventilation are screwed with self-tapping screws.



As we see in the image, the assembly is complete.