

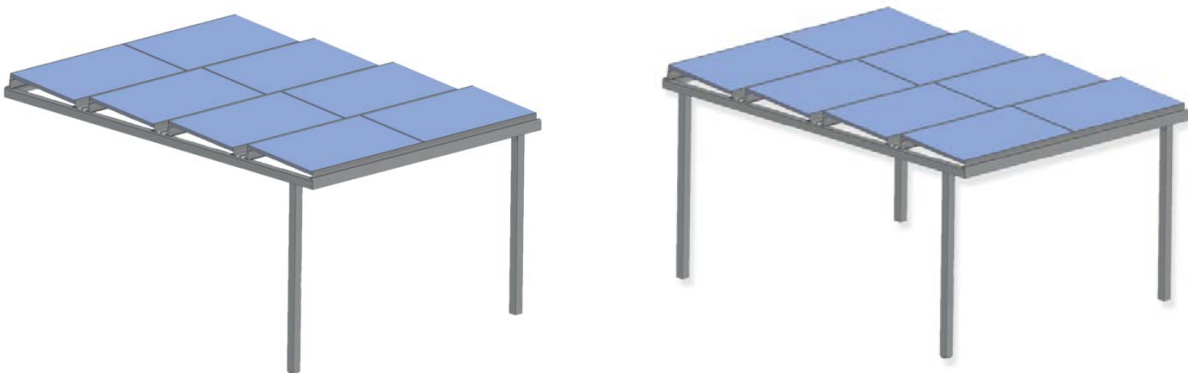


# IRFTS SHADOW SOLAR

SOLAR SHADE HOUSE STRUCTURE – ENERGY PRODUCTION AND SUN PROTECTION

For 60 cell PV modules

## Installation Manual with photos



# Synopsis

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Information et visuels non contractuels. Sous réserve de modifications techniques sans préavis.

## 1) Tools needed for installation

### 1.1) Tools for preparation and assembly

- Electrical screw driver/ Drill
- bit holder
- bit TX25
- bit 6 and 10mm hexagonal
- 10mm spanner (flat)
- 40mm hole saw
- rivet gun
- mesure
- pen
- drill bit 3/4/5/6mm





## 1.2) Tools for handling and settings

- 2 Stepladders
- Clamps
- Level
- 2 Trestles



# 1.3) Concrete

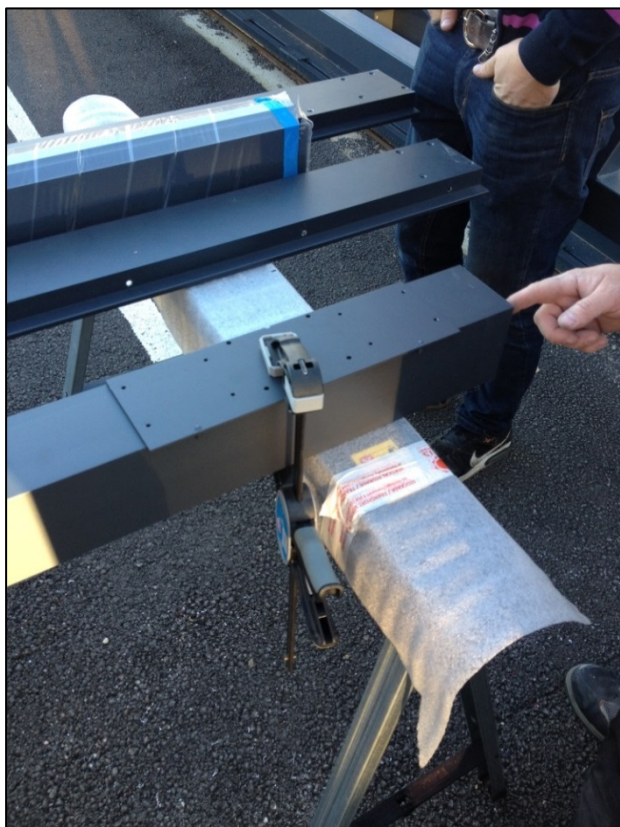




## 2.1

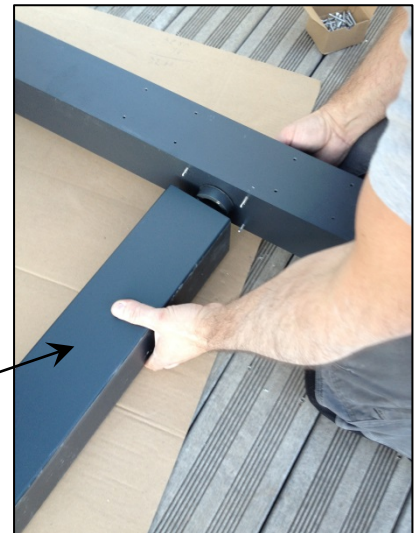
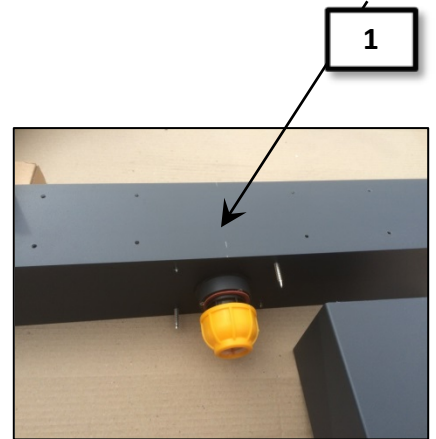
## Gutter preparation

### Mounting tool positioning for drilling.



## Gutter preparation

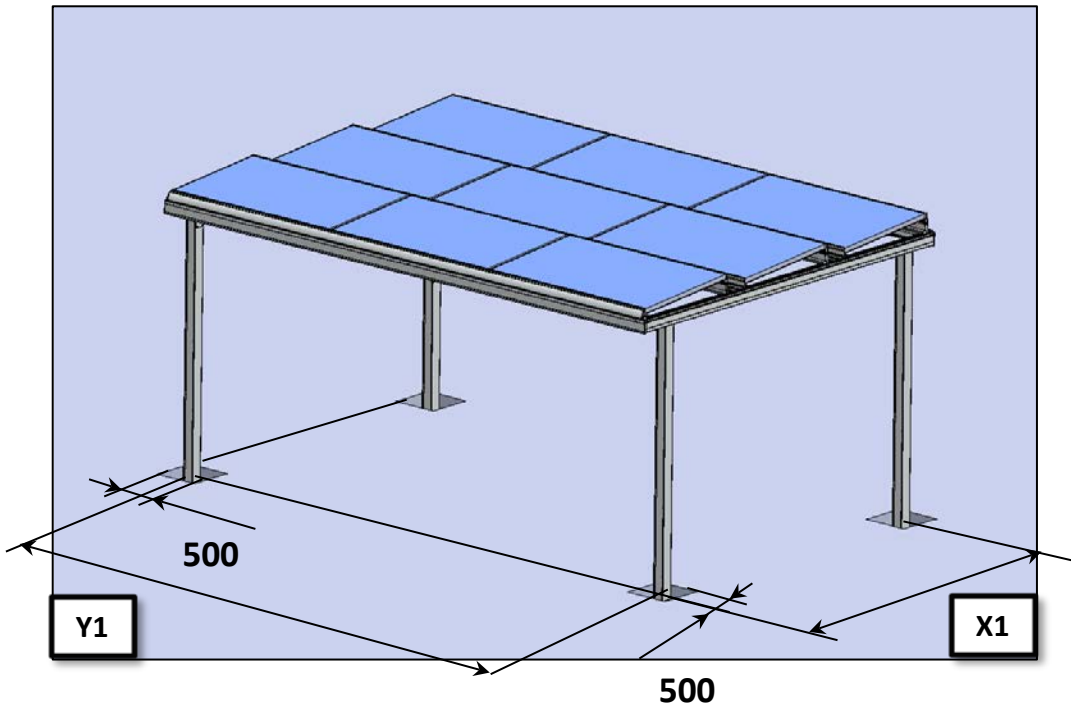
### Drainage fitting on the gutter.



### Feet and Gutter assembly







**Make 4 holes in the ground.  
See installation manual for holes position and dimensions.**





## 2.3

## Spoiler and Spoiler Strength assembly



**Drill the Spoiler  $\varnothing$  7mm.**



4

9



**Screw the Spoiler Strength on the Spoiler.**

9

4





## 2.4

## Roof structure preparation



Place the 2 sides  
pre-assembled  
in the holes

Use a clamp and a  
batten to hold vertically  
the sides.

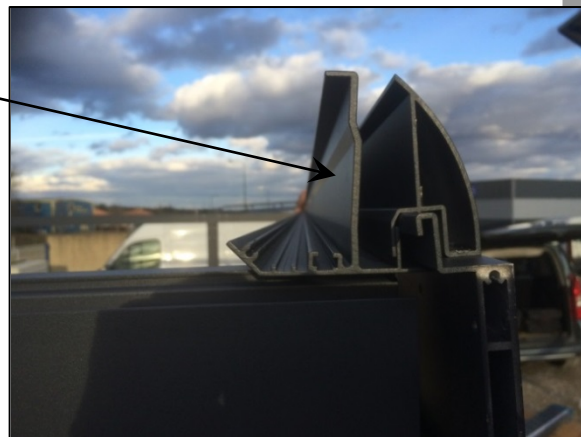


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## Assemble Spoiler and Gutter.



2



3







**Adjust the height  
using concrete  
block or similar.**



**Fill up the holes with concrete.**



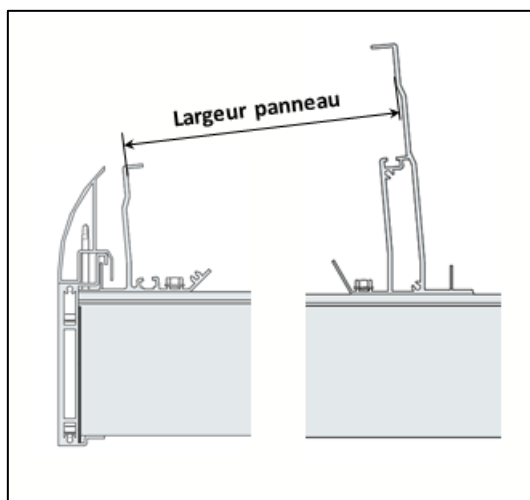


## 2.6

## Front an Back gutter assembly



**Position the gutters**  
**Screw according the modules width.**



## Assembly U inter-line

**Center the U inter-line between the gutter. Screw.**



6



**Slide the screws and washer into the front and back gutter,  
Slide the modules (from the side of the SHADOW SOLAR).  
Slide the clamps under the modules.**



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20

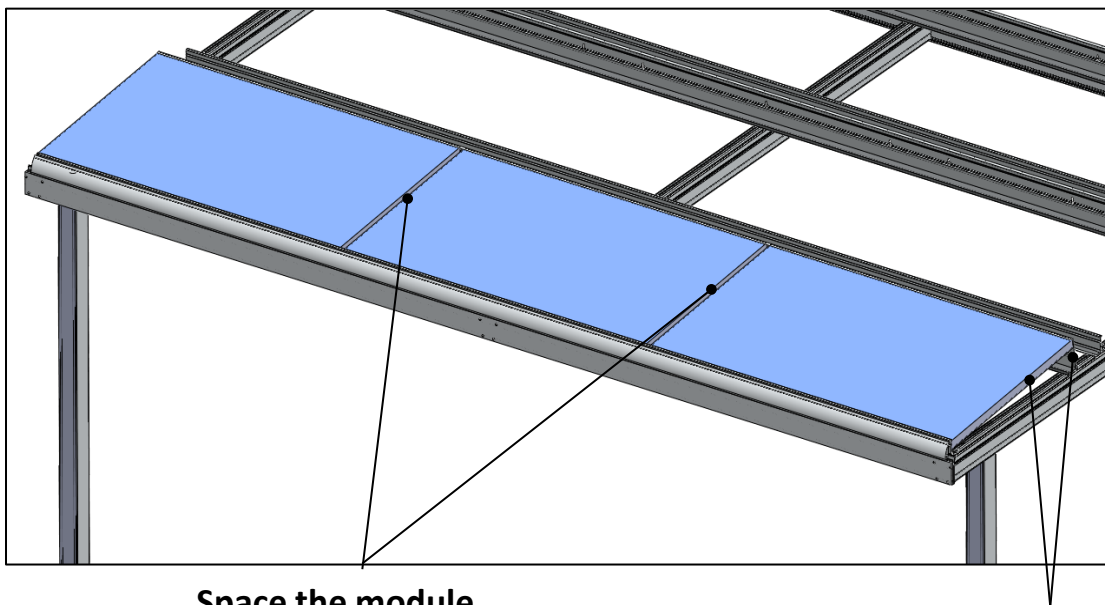
19

7



**Screw the U inter column.  
Tighten the module's clamps.**

**5**



**Space the module  
equally**

**Align the faces**



## 3.1

## Guter and Spoiler covers

**Assemble the spoiler cover (rivet gun).  
Add the screw cover (23).**



8



## 4.1

## Ceiling



**Screw the front and back ceiling spring**



**Place the ceiling**



**Screw the optional side cover.**



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31

32

## Photo with ceiling





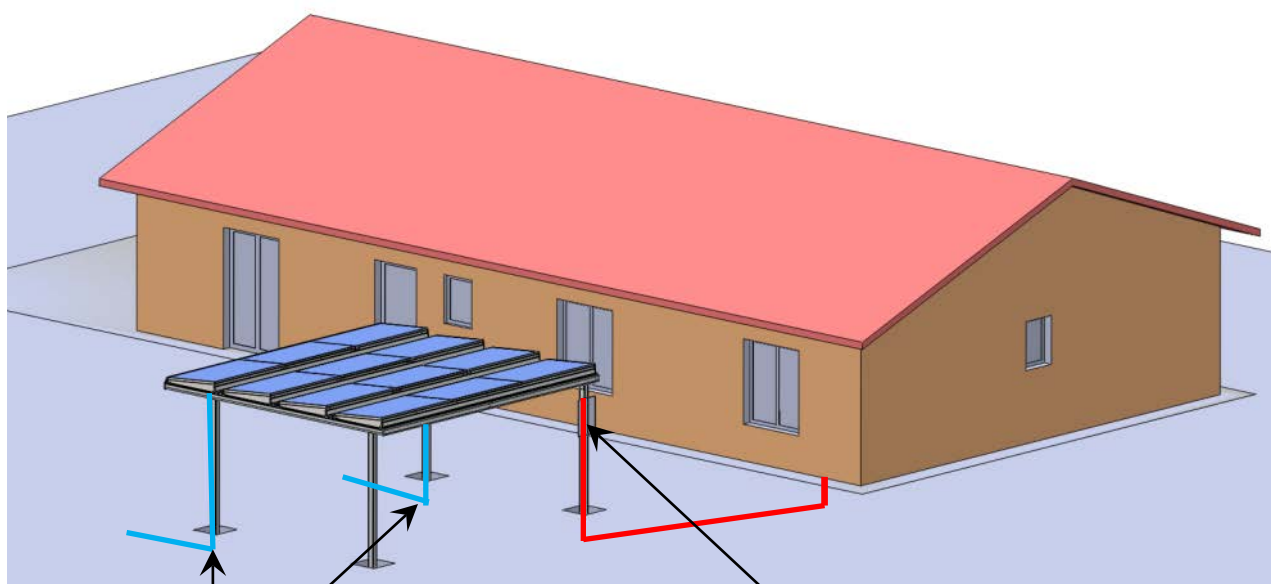
## 5.1

## Raining water drainage

### Electrical pipe



### Water drainage



Raining water drainage

Inverter support attached to the foot