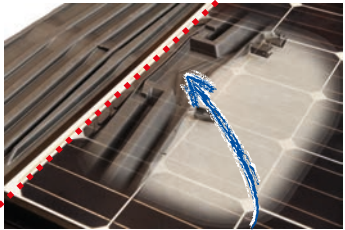


12 POSITION AND WIRE THE PV MODULES

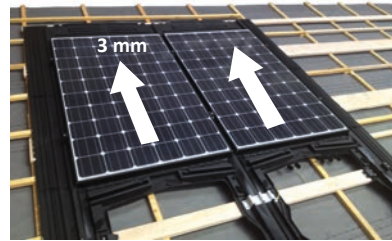
CASE 1



Align the higher edge of the module with the top point of the « leaning area » as shown on the drawing.

OR

CASE 2

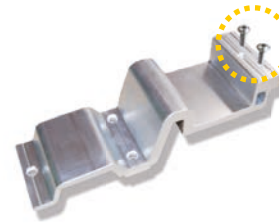


If the module frame exceed the top point of the leaning area, slide up the PV module 3mm so it won't lean against the EASY ROOF EVOLUTION frame.

MINI INSTALLATION GUIDE EASY ROOF EVOLUTION (SIZE L-1)

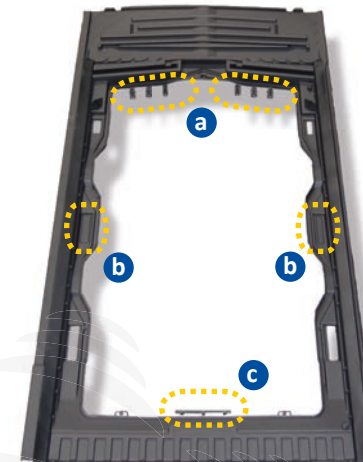
1 GOODS PREPARATION

End bracket preparation



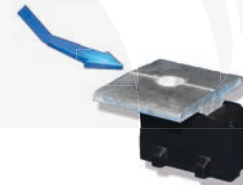
Using an End clamp align the screw with the top of the module.

Frame preparation



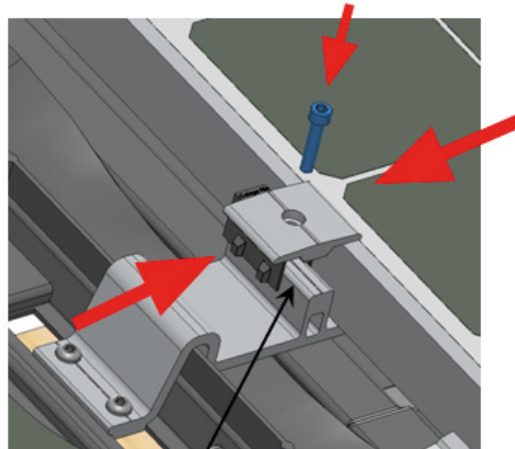
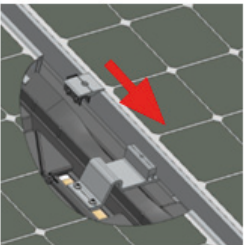
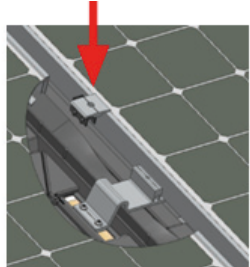
- a Remove the 2 module centering wedges that fit the width of your module
- b For an installation with 6 brackets per module, cut and remove the 2 plugs
- c If you use the optional top frieze, remove the frieze support

Middle clamp preparation



Slide and clip the middle clamp on the module centering wedge

13 SCREW THE MIDDLE AND END CLAMPS



Tightening torque 8.8 Nm

DISCLAIMER : This enclosed document « Mini installation guide EASY ROOF EVOLUTION (size L-1) » should not be considered in no case as a replacement of the standard installation manual EASY ROOF EVOLUTION size L-1. The main objective of this shorter manual is to provide assistance to the professional installers. It has no aim in replacing the main assembly manual. Every single installation has to be undertaken in compliancy with the main technical manual which outline all instructions of the installation.
You could be held accountable and liable for all actions and its derived consequences from its utilization.
The EASY ROOF products are commercialized by IRFTS SAS. For more information about EASY ROOF In roof mounting system and the reference installation manual please visit our web site: www.irfts.com

2 TILES/SLATES REMOVAL

Width calculation of the system (including flashings)

Module number in length with standard lateral flashings															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1410	2430	3450	4470	5490	6510	7530	8550	9570	10590	11610	12630	13650	14670	15690	16710

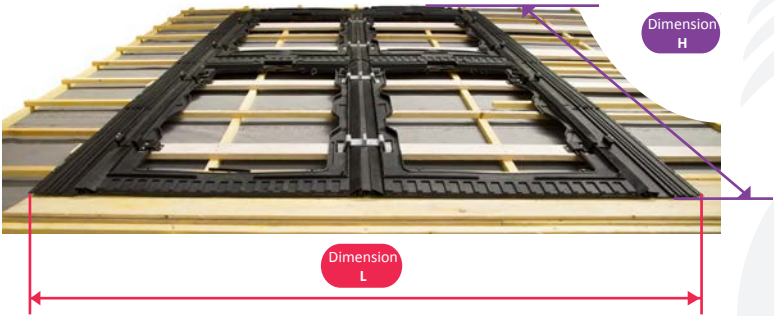
Dimension
L

Height calculation of the system (including flashing)

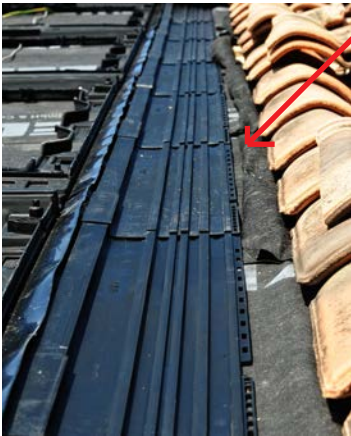
Please check the PV module compatibility list on : www.irfts.com

		Module length (lg)		
		A	B	C
		≤1645	1646 < lg < 1665	1666 ≤ lg < 1685
System vertical step		1655	1675	1695
		Dimension H		
Module number in height	1	1956	1956	1956
	2	3611	3631	3651
	3	5266	5306	5346
	4	6921	6981	7041
	5	8576	8656	8736
	6	10231	10331	10431
	7	11886	12006	12126

Dimension
H

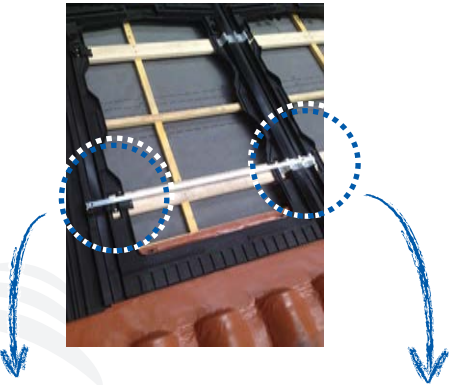


9 ASSEMBLE THE SIDE FLASHINGS LEFT THEN RIGHT



When screwing the flashings, unscrew one turn to allow dilation

10 SCREW THE END BRACKET



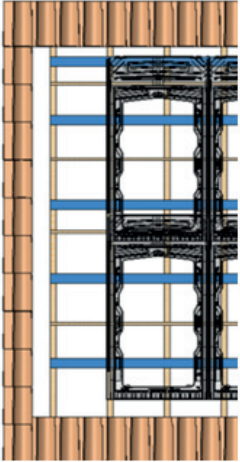
Center vertically the end bracket in the opening (for dilation)



Use provisionally the clamp screw

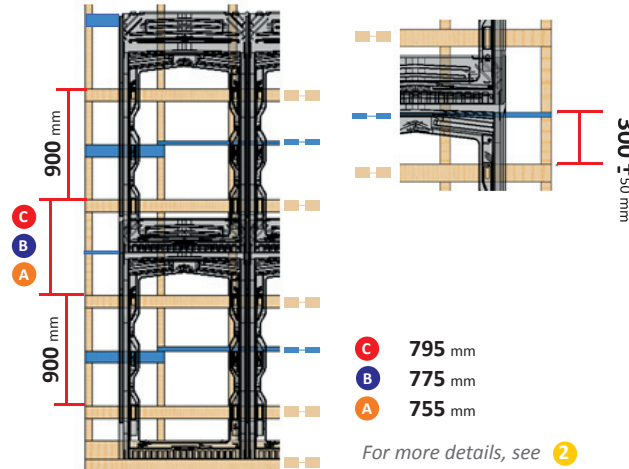
4 INSTALL THE FLOORING

Brackets flooring



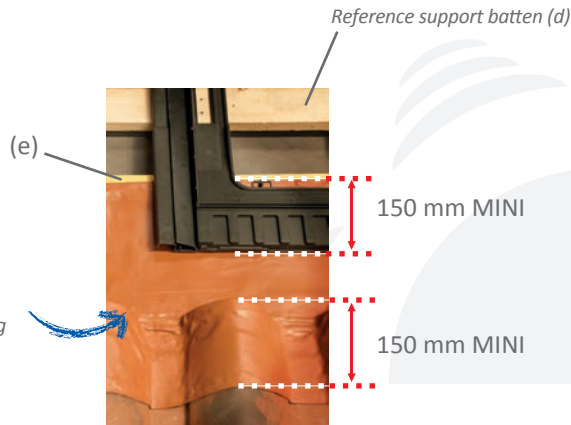
Make a marking on the rafter in front of the openings where to place the support battens

Leaning batten for the EASY ROOF EVOLUTION frame and the side flashings



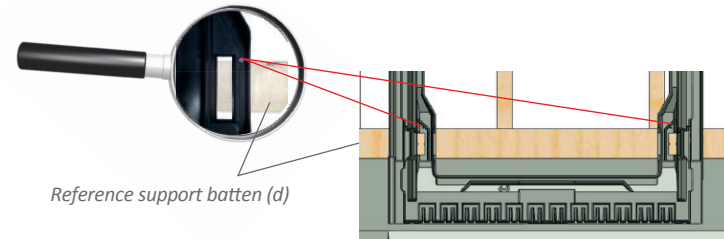
5 BOTTOM FLASHING

Soft bottom flashing

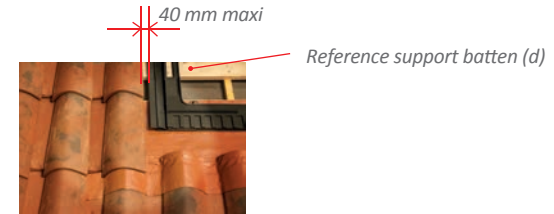


6 ADJUST THE 1st FRAME HORIZONTALLY :

Position the 1st frame at the bottom left corner using two screws placed in the openings indicated and put them leaning against the reference support batten (d)



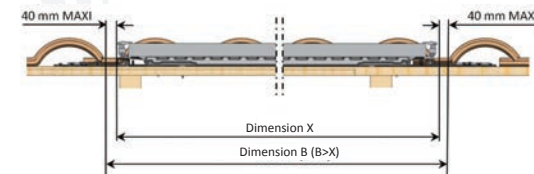
PV field positioning in the width direction



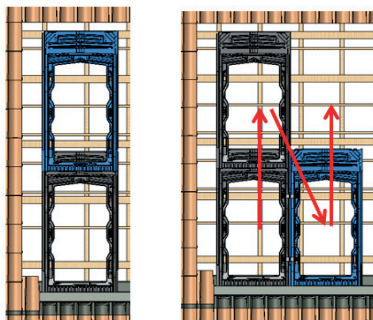
Tip to avoid tile's cut

Measure the PV field width (see chart below - Width calculation of the visible field), center the PV field in order to have a sufficient tile overlap on the flashing.

Module number in length with standard lateral flashings																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Dimension X	1060	2080	3100	4120	5140	6160	7180	8200	9220	10240	11260	12280	13300	14320	15340	16360



7 POSITION THE OTHER EASY ROOF EVOLUTION FRAMES



TO REMEMBER

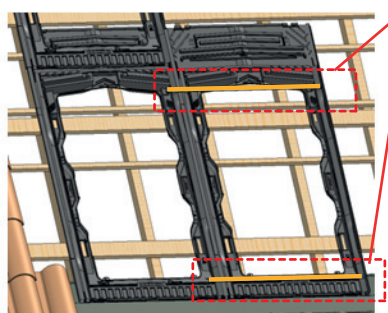
Brackets installation order for each frame

1. Upper Middle bracket
2. Lower Middle bracket

To finish the brackets installation

3. End bracket

8 SCREW THE MIDDLE BRACKETS



Mounting tool

Center vertically the middle bracket in the opening (for dilation)



Minimum play 15 mm

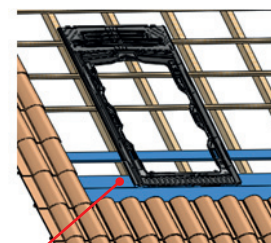
Minimum play 15 mm



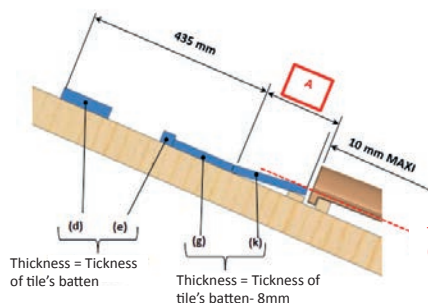
Don't forget the grounding
(Installation manual P48)

3 INSTALLATION OF THE BOTTOM FLASHING SUPPORT BATTEN AND THE REFERENCE SUPPORT BATTEN

Roof slope (°)	Minimum width of (d)	Minimum width of (g)	Minimum width of (k)	Minimum A dimension
From 10 to 12	Installation manual from p15 to 18	150 mm	250 mm	260 mm
From 13 to 16			220 mm	230 mm
From 17 to 19			180 mm	190 mm
From 20 to 24			150 mm	160 mm
From 25 to 50			120 mm	130 mm



The bottom flashing batten and the bottom flashing itself will have to be 2 tiles longer on each side of the PV field



Thickness = Thickness of tile's batten

Thickness = Thickness of tile's batten- 8mm

The top of the bottom flashing batten (k) flush with the water flow of the tile

Position the PV field in Rake/Slope direction

Position one column of frame EASY ROOF EVOLUTION using two screws placed in the openings indicated and put them leaning against the reference support batten (d).



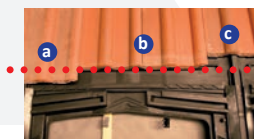
Position and clip the above frame in the appropriate plug according to the module's length



Reference support batten (d)

Re position the first tile above the upper frame

3 POSSIBILITIES :



a The tile exceed the marking "limit tile". Cut the tile

b The tile is tangent with the marking "limite tile". Go to step 4

c The tile does not reach the marking "limite tile". Slide up the reference support batten (d) in order to have the tile tangent with the marking "limite tile"

Make sure you respect point 5

