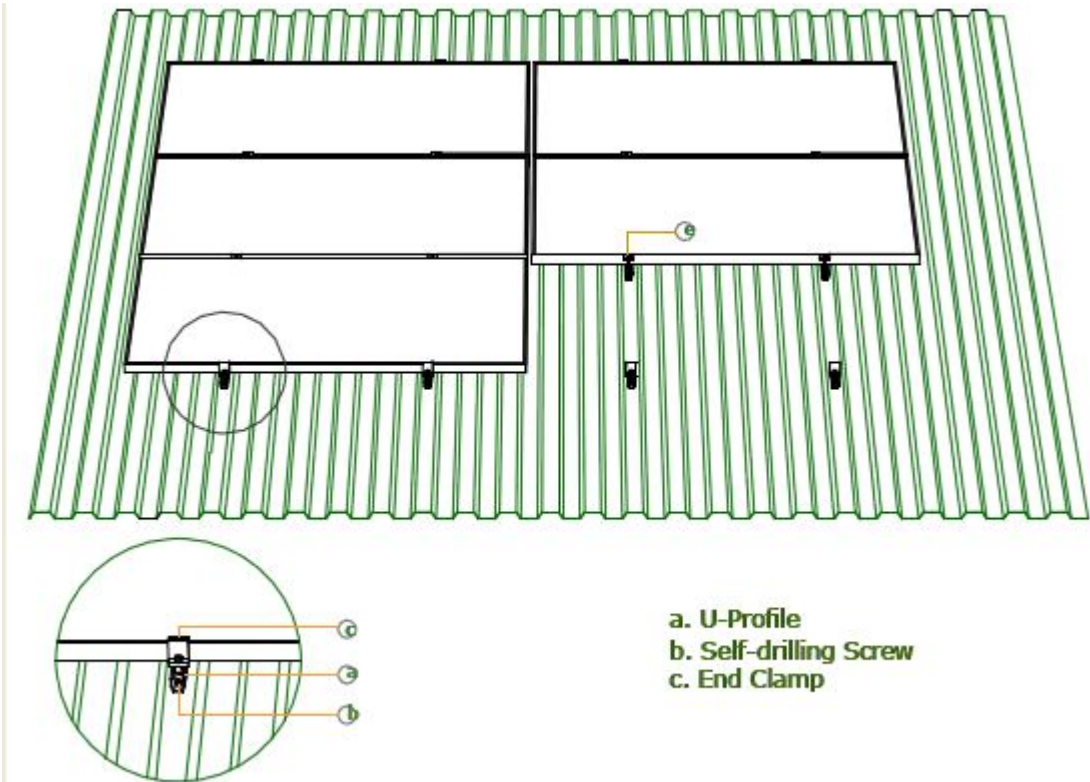
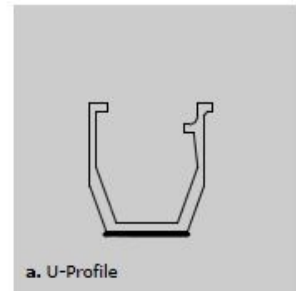


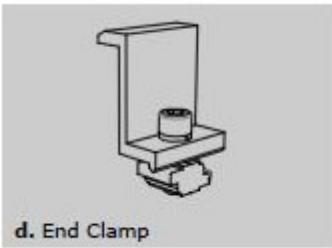
SYSTEM OVERVIEW



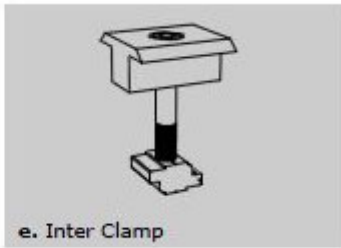
- a. U-Profile
- b. Self-drilling Screw
- c. End Clamp



a. U-Profile



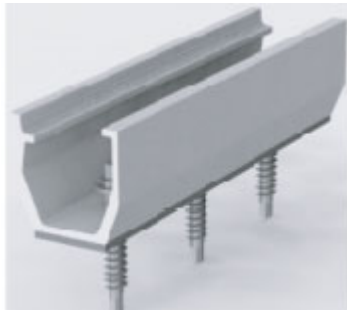
d. End Clamp



e. Inter Clamp

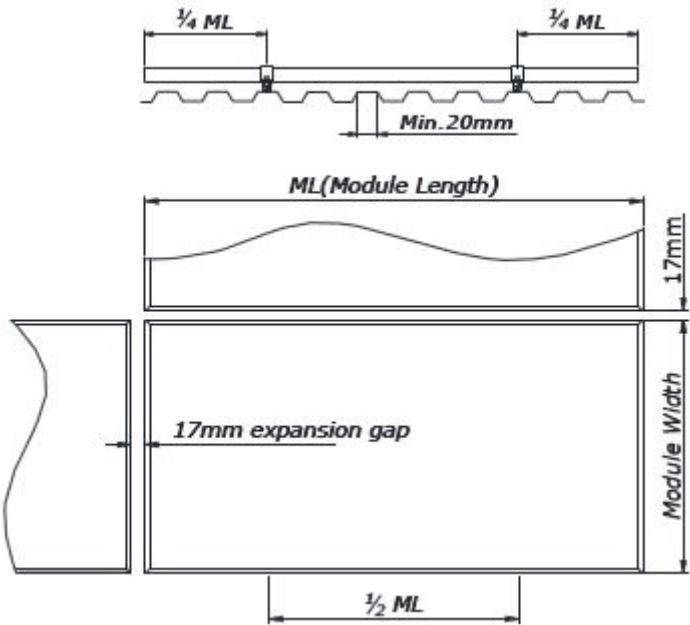


Clenergy Trapezoidal screw
ER-U-S5.5 X 25-S12

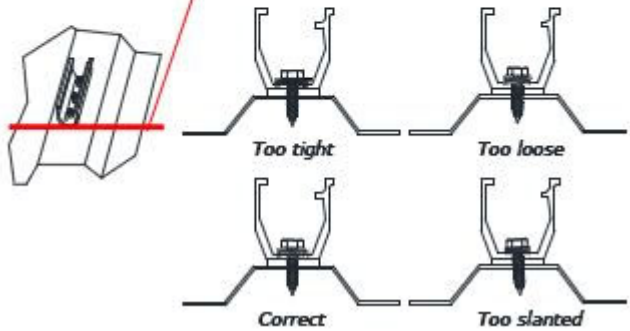
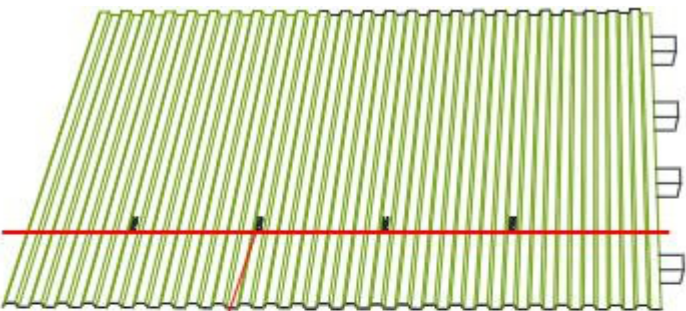


Pull-out performance 0.4mm gauge steel	
Mean average per screw	1.1 KN
Resistance per U-Support with 3 screws	3.3 KN
Resistance per module with 4 U-Supports	13.2 KN
Resistance per m² applying a safety factor of 2	4.05 kPa
Pull-out performance 0.5mm gauge steel	
Mean average per screw	1.29 KN
Resistance per U-Support with 3 screws	3.87 KN
Resistance per module with 4 U-Supports	15.5 KN
Resistance per m² applying a safety factor of 2	4.75 kPa
Pull-out performance 0.7mm gauge steel	
Mean average per screw	1.7 KN
Resistance per U-Support with 3 screws	5.1 KN
Resistance per module with 4 U-Supports	20.4 KN
Resistance per m² applying a safety factor of 2	6.26 kPa

INSTALLATION DETAILS - PART 1

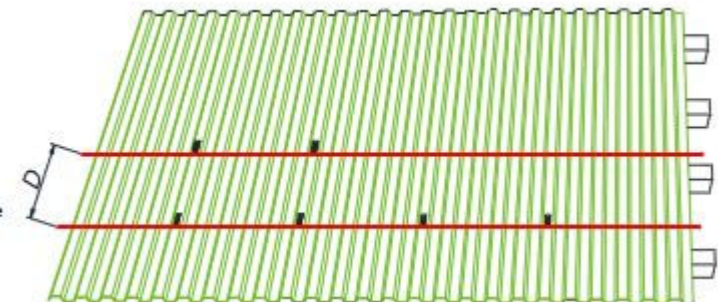


THE DISTANCE BETWEEN THE TWO U-PROFILES SHOULD BE HALF THE PV MODULE LENGTH APART. ON THE SHORT SIDE OF THE MODULE AN EXPANSION GAP OF 17mm IS REQUIRED

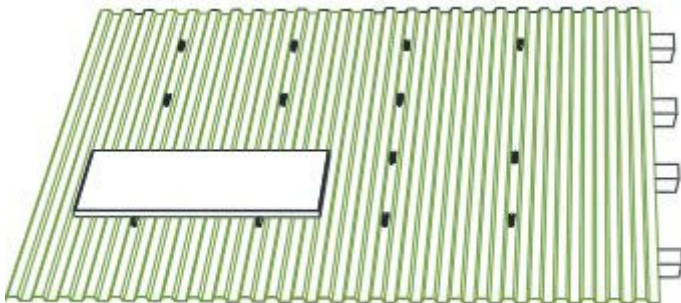


NTS@A3

INSTALLATION DETAILS - PART 2



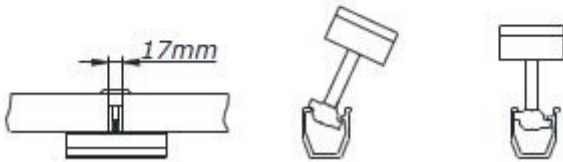
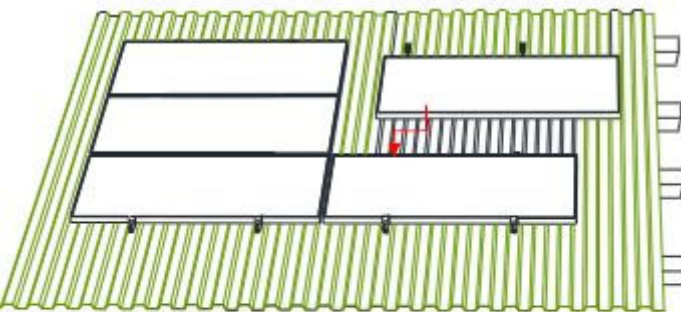
THE DISTANCE BETWEEN THE TWO ROWS WILL BE:
 $D = \text{MODULE WIDTH} + 18\text{mm}$



PV MODULES MOUNTED FROM LOWER POINT ON THE ROOF.



MODULES PLACED IN THE MIDDLE OF THE U-PROFILE



NTS@A3

DRAWING STATUS	DD/MM/YY	REVISIONS	
ISSUED FOR INFORMATION		DD/MM/YY	REMARKS
ISSUED FOR TENDER		1	---
ISSUED FOR COMMENT		2	---
ISSUED FOR APPROVAL	17/04/2020	3	---
ISSUED FOR CONSTRUCTION		4	---
ISSUED AS INSTALLED		5	---



GREENCELL

SOLAR PV MOUNTING DETAILS

DRAWN BY	J.P	CHECKED BY	CE
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