

Standing Seam Roof 180°

SOLAR KIT™
INNOVATIVE SYSTEMS **INDIA**



EUROPEAN UNION
European Regional Development Fund
Operational Programme Enterprise and Innovations of Competitiveness
No. of project: CZ.01.2.111/0.0/0.0/18_167/0014065



**BEST IN
MARKET
WARRANTY**



**DESIGN
WIND SPEED
200 KMPH**



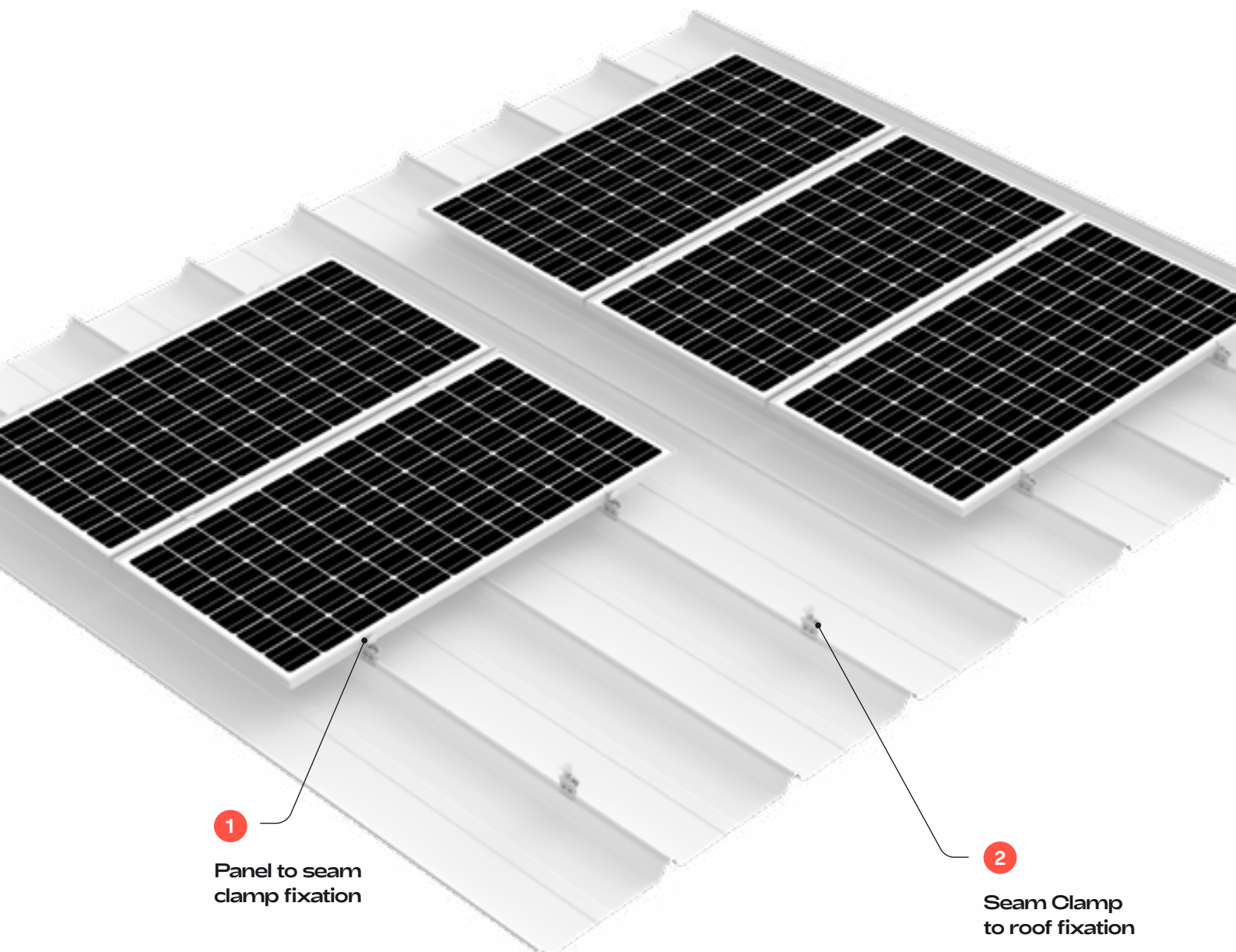
**QUICK
INSTALLATION**

Short Clamp

Short Seam Clamp on standing seam roof solar system is a lightweight complex mounting system suitable for a large scale of applications. Its easy installation allows to install high capacity of solar panels in reasonably short amount of time.

Properties

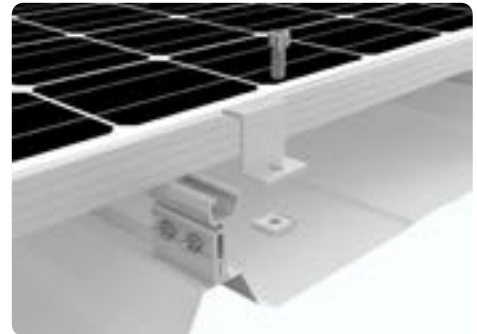
- Lightweight system
- Easy installation
- Structure installation parallel to roof
- Inbuilt panel to panel grounding available



1 Panel to Seam Clamp Fixation

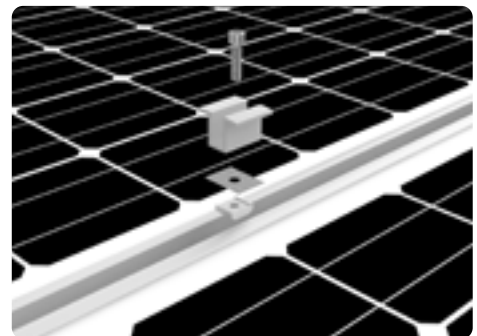
End Clamp fixation

Panel to Seam Clamp fixation provided by end clamp. Suitable for 30 mm, 35 mm and 40 mm thickness of solar panel.



Mid Clamp fixation

Panel to Seam Clamp fixation provided by mid clamp with grounding plate. Suitable for 30 mm, 35 mm and 40 mm thickness of solar panel.



2 Seam Clamp to Roof Fixation

Standing Seam 180° Clamp 1

- ⌚ Fast installation
- ⌚ Up to 10 years warranty *
- ⌚ One tool approach
- ⌚ Easy maintenance

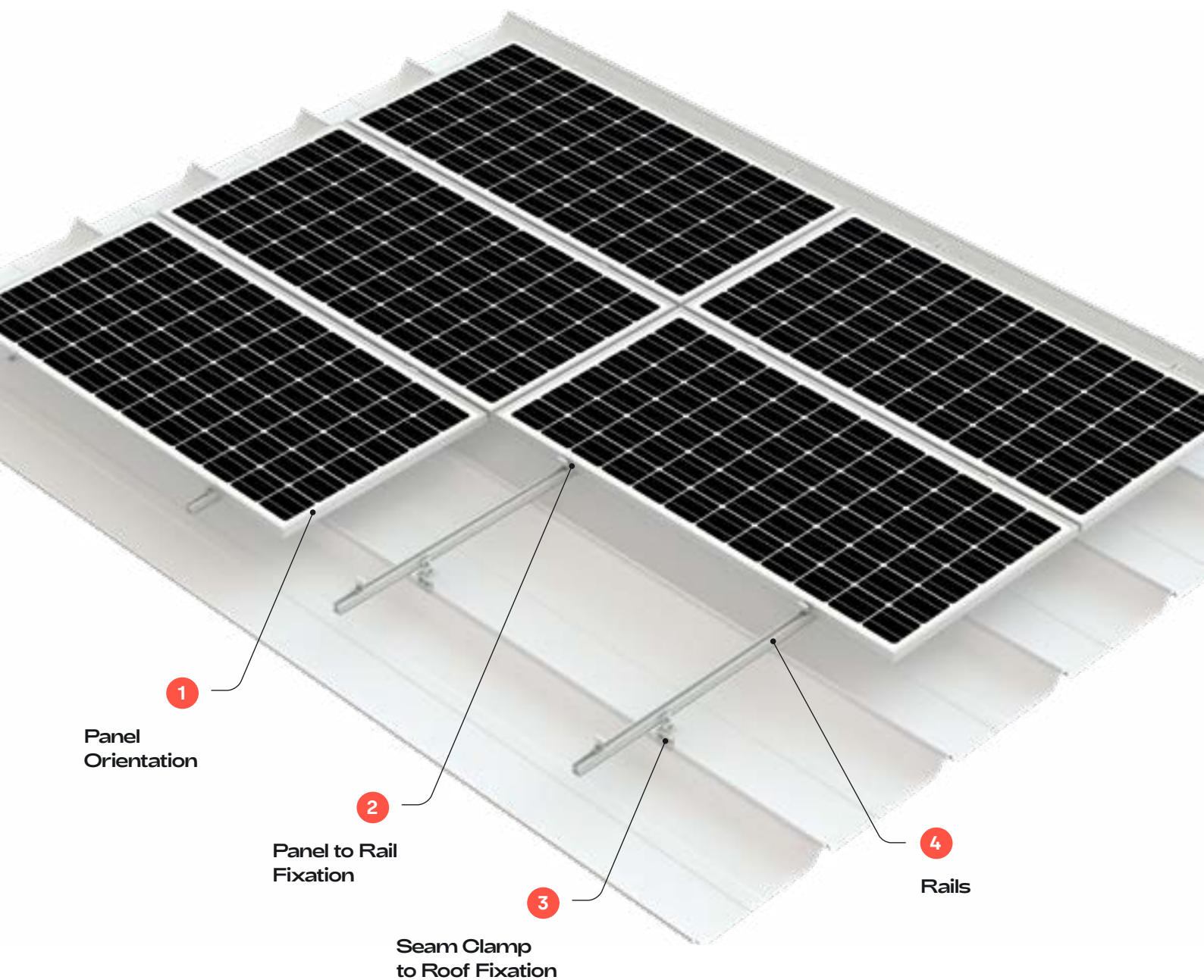


Long Rail

Long Rail with seam clamp on standing seam roof solar system is a lightweight complex mounting system suitable for a large scale of applications. Its easy installation allows to install high capacity of solar panels in reasonably short amount of time.

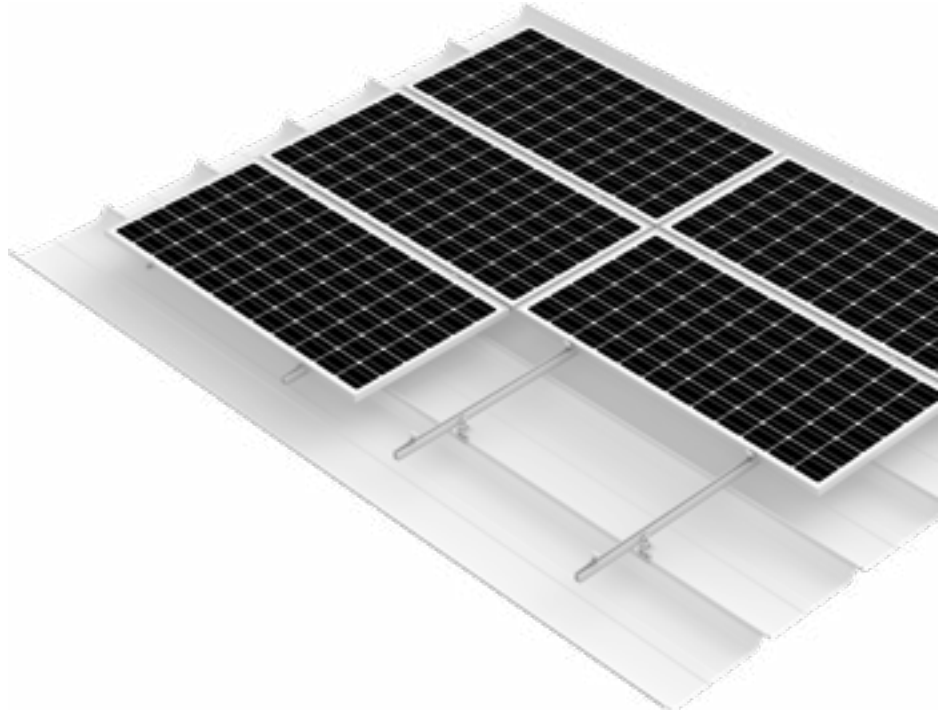
Properties

- Easy installation
- Structure installation parallel to roof
- Inbuilt panel to panel grounding available

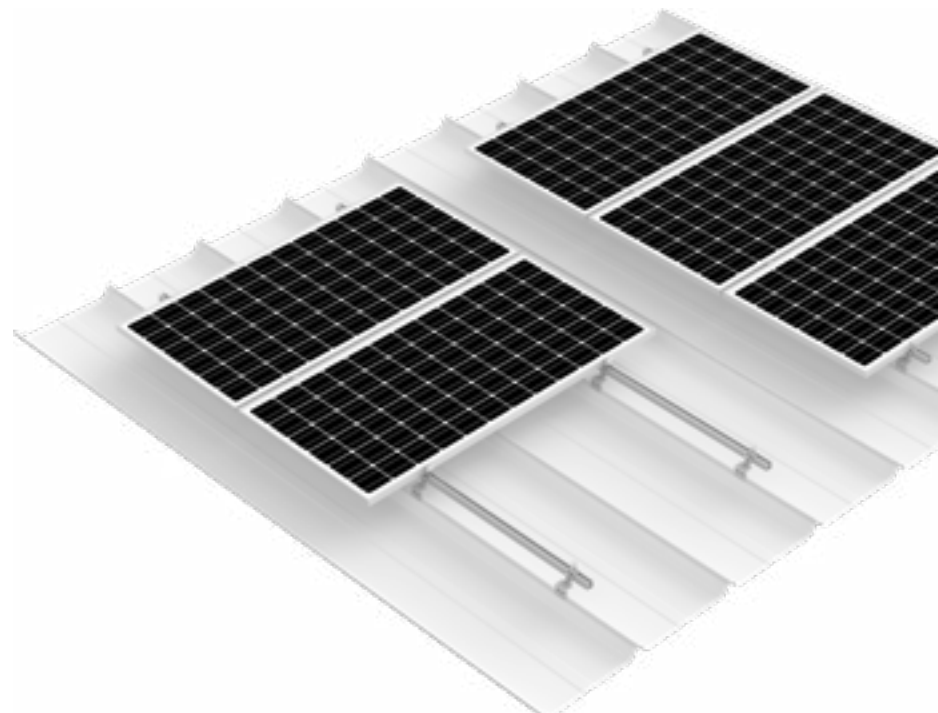


1 Panel Orientation

Portrait



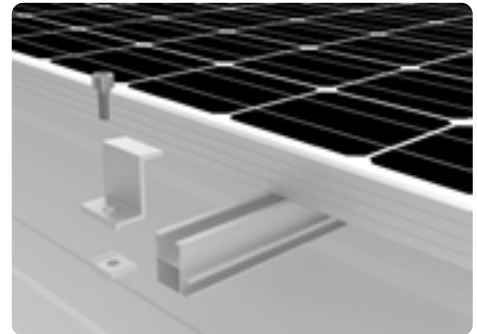
Landscape



2 Panel to Rail fixation

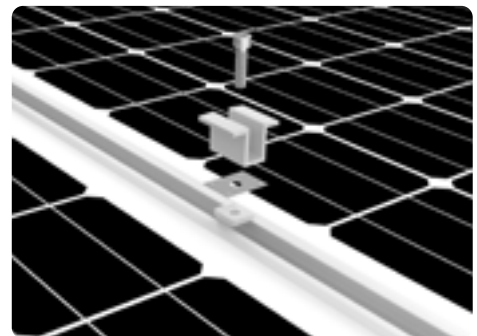
End Clamp fixation

Panel to rail fixation provided by end clamp. Suitable for 30 mm, 35 mm and 40 mm thickness of solar panel.



Mid Clamp fixation

Panel to rail fixation provided by mid clamp with grounding plate. Suitable for 30 mm, 35 mm and 40 mm thickness of solar panel.



3 Seam Clamp to Roof Fixation

Standing Seam 180° Clamp 2

- Easy & fast installation
- Up to 10 years warranty *
- Easy maintenance
- Easy removal



Long Rail

Available lengths

Customized as per requirement

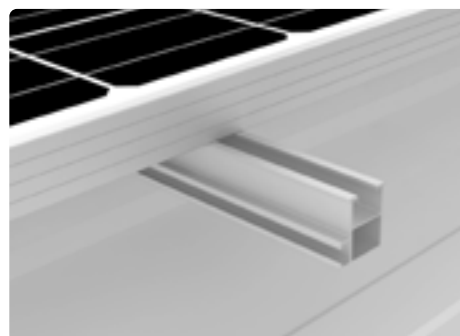
Thickness

1,5 mm

Raw material used

Aluminium 6063 T6

- Increased height for thermal stability of system and easy installation
- Seam Clamp mounted robust system for high wind loads



Component Analysis:

1. FEA analysis of All Rails.
2. FEA analysis of All Fixations (End & Mid clamps)
3. FEA analysis of All Fasteners.

Wind Analysis Report:

1. Short Rail - Landscape
2. Long Rail - Portrait
3. Long Rail - Landscape

Technical Specification

Scope of Application	Seam Roof 180° sheet metal
Rail to Roof Fixation	Seam Clamp
Panel to Rail Fixation	End Clamp / Mid Clamp
Roof Slope	5° to 25°
Min. Sheet Thickness	0.4 mm Steel and \geq 0.5 mm Aluminium
Seam to Seam Distance	500 mm to 700 mm
Seam Height/Width	16 mm / 5mm
Building Height	Up to 20 meter
PV - Modules	Framed
Module Orientation	Portrait / Landscape
Tilt Degree	Along the Roof (Flush Mount)
Size of Module Array	Any Size Possible
Materials	EN AW 6063 T6 / SS 304
Design Windspeed	Up to 200 kmph *



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Social networks

