

Technical Parameters

System Name	Roof Solar PV Mounting System Matrix	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation Site	Flat Roof, Pitched Roof		International Building Code IBC 2009
Roof Type	Concrete Roof , Metal Roof		California Building Code CBC 2010
Tilt Angle	0-60°	Material	AL6005-T5(Anodized)
Wind Load	≤60m/s	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Snow Load	≤1.6KN/m²	Small Components	AL6005-T5(Anodized)
Applicable Solar Module	Framed or Frameless	Color	Silver or Customized
Panel Layput	Portrait or Landscape	Warranty	10-Year Warranty

Overview

Roof Solar PV Mounting System Matrix II is derived from . to meet different roof projects demands. Solar modules can be arranged with single or double rows of landscape or portrait orientation. Quick installation and stable structure are assured by the modular Patented design.



Adbantages

System Compatibility

Components mostly pre-assembled in factoty to assure quick and reliable installation on site. Suitable for different flat rooftop,and compatible to different types of sloar modules

Unique Mudsill Design

The mudsill can be fixed to flat roof or pitched roof with concrete foundation or steel foundation

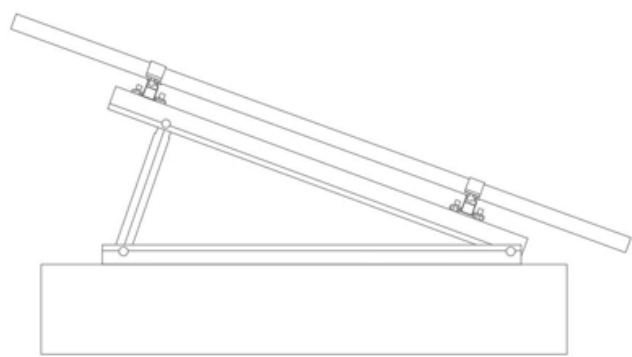
Solar Module Layout Flexibility

Both landscape and portrait solar module layout are suitable. Both single row and double rows layout can be achieved separately or combined.

Adjustability

Tilt angle can be adjustable

Structure



Componet Details

1



Pro Rail 50

Specification: 3100、4100、5100mm
Material: AL6005-T5(Anodized)

2



Splice for Pro Rail 50

Specification: Standard length 260mm
Flange Head Self-taping
Screw ST6.3*19
Material: AL6005-T5(Anodized)

3



End Clamp Kit

Components: End Clamp
Croos Module
Spring Washer M8
Hex Socket Head Bolt

4



Inter Clamp kit

Components: End Clamp
Croos Module
Spring Washer M8
Hex Socket Head Bolt

5



C Clamp Kit

Components: C Clamp
Croos Module
Spring Washer M8
Hex Socket Head Bolt

6



Angle Aluminum Tripod Support

Components: Angle Aluminum Beam
Angle Aluminum Mudsill
Angle Aluminum Side Beam
flat washerM8
spring washerM8
Hexagon Bolt M8*2.5

7



Single Tripod Support

Components: Tripod Support Beam
Tripod SUpport Mudsill
Tripod Support Square TubeA
HJointer
Flat Washer M10
Spring Washer M10
Hexagon Bolt M10*65

8



Double Tripod Support

Components: Tripod Support Beam
Tripod SUpport Mudsill
Tripod Support Square TubeA\B
HJointer
Flat Washer M10
Spring Washer M10
Hexagon Bolt M10*65

9



Adjustable Tripod

Components: Tripod Support Beam
Tripod Support Mudsill
Tripod Support Square TubeA
HJointer
Flat Washer M10
Spring Washer M10
Hexagon Bolt M10*65

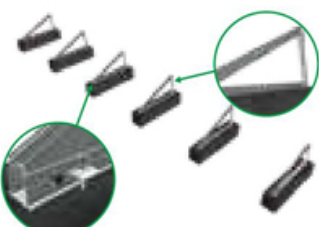
Installation Guide

1



Place the concrete base at the position indicated on the solution drawings

2



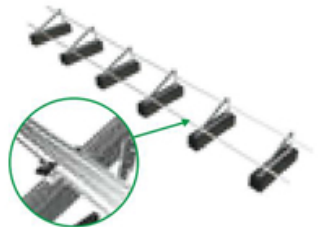
Fasten the preassembled supports on the expansion bolts by C Clamps

3



Install splices

4



Fasten the rails by C Clamp Kits

5



Install modules on the rails

6



Fasten modules by Inner Clamp Kits

7



Fasten modules by End Clamp Kits

8



Complete installation