

# SOLAR PV

## MOUNTING SYSTEM BROCHURE



CONTENTS

**SunRoof Tile** TILE ROOF SOLAR PV MOUNTING SYSTEM ..... 03

**SunBalcony** BALCONY SOLAR MOUNTING SYSTEM ..... 05

**SunRoof Metal** L FEET AND HANGER BOLT KIT METAL ROOF PV MOUNTING SYSTEM ..... 07

**SunRoof Metal** ADJUSTABLE SUPPORT KIT SOLAR PV MOUNTING SYSTEM ..... 08

**SunRoof Metal** KLIPLOK METAL ROOF MOUNTING SYSTEM ..... 09

**SunRoof Metal** MINI-RAIL KIT METAL ROOF PV MOUNTING SYSTEM ..... 11

**SunRoof Metal** TRAPEZOIDAL METAL ROOF SOLAR PV MOUNTING SYSTEM ..... 13

**BallastedRack** BALLASTED ROOF SOLAR PV MOUNTING SYSTEM - SINGLE SIDE ..... 15

**BallastedRack** BALLASTED ROOF SOLAR MOUNTING SYSTEM - EAST WEST / TWO-SIDE ..... 17

**TripodRack** ROOF SOLAR PV MOUNTING SYSTEM MATRIX II ..... 19

**BaseRack** DOUBLE-ROW TRIPOD BASE-BEAM-FREE RMIV ..... 21

**FlexRack** MANUALLY ADJUSTABLE GROUND MOUNTING ..... 23

**SunShade** SOLAR CARPORT SYSTEM II ..... 25

**SunShade** MONO CARPORT SYSTEM ..... 27

**GroundRack** GROUND MOUNTING GT2 ..... 29

**GroundRack** CONCRETE BASE OR GROUND SCREW MOUNTING ..... 31

**GroundRack** C-SHAPE, I-SHAPE, π-SHAPE PILES GROUND MOUNTING ..... 33

**GroundRack** CONCRETE PILE HIGH ELEVATION MOUNTING SYSTEM ..... 35

**SunTracker** SMART TRACKING SOLAR PV MOUNTING SYSTEM ..... 37







**Sunfloater** FLOATING SOLAR PV MOUNTING SYSTEM ..... 39

# SunRoof Tile

# TILE ROOF SOLAR PV MOUNTING SYSTEM

## Overview

Tile Roof Hook Solar PV Mounting System is applied to tile roof residential and commercial solar projects. The system can achieve stable and strong connection between the roof support structure and solar modules with modular Patented design. Pre-assembled kits save the installation time and cost onsite.

-  Applied to Tile Roof
-  Tile Roof Hook
-  Tilt Angle 5-45°
-  Suitable for framed or frameless Solar Modules
-  Panel Layout Landscape or Portrait
-  10 Years Warranty



## Advantages

### Applicable for Different Tile Roofs

Design project by project, selecting configuration of mounting system components flexibly.

### Compatible to Different Types of Solar Modules

Compatible to most kinds of framed 60-cell, 72-cell, half-cut cells modules and frameless modules.

### Save Installation Time and Cost

Pre-assembled components and clear installation manuals are supplied to save the onsite installation time and cost, lead to better RoI.

## Technical Parameters

System Name	Tile Hook	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation Site	Pitched Roof		International Building Code IBC 2009, California Building Code CBC 2010
Foundation	Tile, Flat Tile, Slate Tile, Asphalt Shingle Tile	Hook Material	AL6005-T5(Anodized)
Tilt Angle	5-45°	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Wind Load	≤60m/s	Small Components	AL6005-T5(Anodized)
Snow Load	≤1.6KN/m <sup>2</sup>	Color	Silver or Customized
Applicable Solar Module	Framed or Frameless	Warranty	10 Years
Panel Layout	Portrait or Landscape		

## Components



Tile Hook 1



Universal Clamp Kit  
H28-46



Inter Clamp Kit



End Clamp Kit



Splice for MA Rail




MA Rail




MA Rail H60


## Optional Hook Type




Tile Hook 1



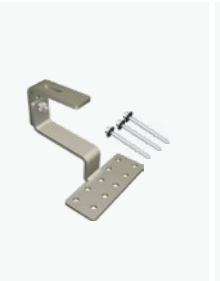
Slate Tile Hook - 02




Slate Tile Hook - 04




Tile Hook Kit




Tile Hook H120




Adjustable Tile Hook 1




Tile Hook 3




Alu Tile Hook E




Flat Tile Hook H107



Adjustable Tile Hook H132



Tile Hook H132



Tile Hook H145

# SunBalcony

# BALCONY SOLAR MOUNTING SYSTEM

## Overview

Balcony Solar Mounting System is a Solar Mounting System product installed on balcony railings, which can easily realize the construction of photovoltaic power plants on the balcony. The system is all bolted and fixed, eliminating the need for welding and drilling during installation. The unique telescopic tube support leg design allows the angle of the panel to be adjusted at any time.

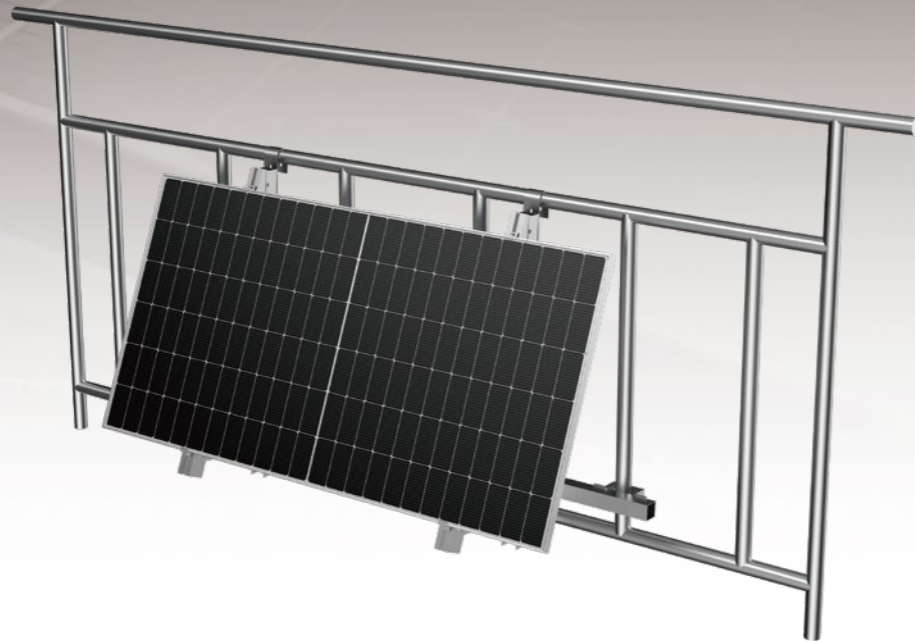
- 

10°-30°  
Tilt Angle
- 

Suitable for framed Solar Modules
- 

Panel Layout  
Landscape or Portrait
- 

10  
years  
Warranty



## Advantages

### Quick installation

Installation and removal are very simple and fast, 1-2 people can complete the installation.

### No welding required

The system is all bolted and fixed, eliminating the need for welding and drilling during installation.

### Adjustable angle

The tilt angle of the panels can be flexibly adjusted according to the installation site to obtain the best power generation efficiency, with a maximum tilt angle of 30°.

### Stable and reliable

Optimized structural design and material selection ensure the strength and stability of the system, suitable for a variety of different climatic environments.

## Technical Parameters

System Name	Balcony Solar Mounting System	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation Site	Balcony	Hook Material	Steel & AL6005-T5
Foundation	Metal Railings Wall Concrete Roof	Fastener	SUS304
Tilt Angle	10°-30°	Small Components	AL6005-T5
Wind Load	≤30m/s	Color	Natural Silver or Customized
Snow Load	≤1.0KN/m <sup>2</sup>	Warranty	10-Year Warranty
Applicable Solar Module	Framed		
Panel Layout	Horizontal		

## Structure



Installed on balcony with curved hook



Installed on wall with 3 expansion bolts



Installed on concrete roof with expansion bolts

## Component Details



### Curved Hook

Material : Zn-Al-Mg Coating Steel



### U-shaped Hoop

Material : Zn-Al-Mg Coating Steel



### Longitudinal Beam H50

Material : Zn-Al-Mg Coating Steel



### 30\*30 Square Tube

Material : Zn-Al-Mg Coating Steel



### U-shaped Base Beam H50

Material : Zn-Al-Mg Coating Steel



### Pro-U shaped Adjustment Tube

Material : Zn-Al-Mg Coating Steel

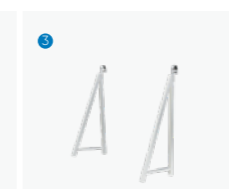
## Installation Guide



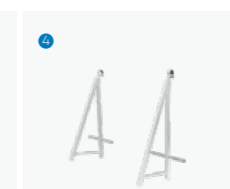
Install the tripod on the ground



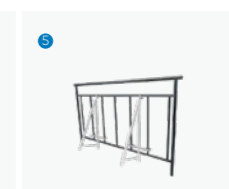
Adjust the preset Angle



Lock the part of the Curved Hook



Find the 30\*30 square tube also placed under the base beam of the tripod



Repeat the above steps to install the panel complete the installation of another set of tripod

## SunRoof Metal

# L FEET AND HANGER BOLT KIT METAL ROOF PV MOUNTING SYSTEM



### Overview

L Feet Kit and Hanger Bolt Kit is applied in most Corrugated Metal Roof commercial and industrial solar projects. The system can achieve stable and strong connection between the roof support structure and solar modules with modular Patented design. Pre-assembled kits save the installation time and cost on site.

### Component Details



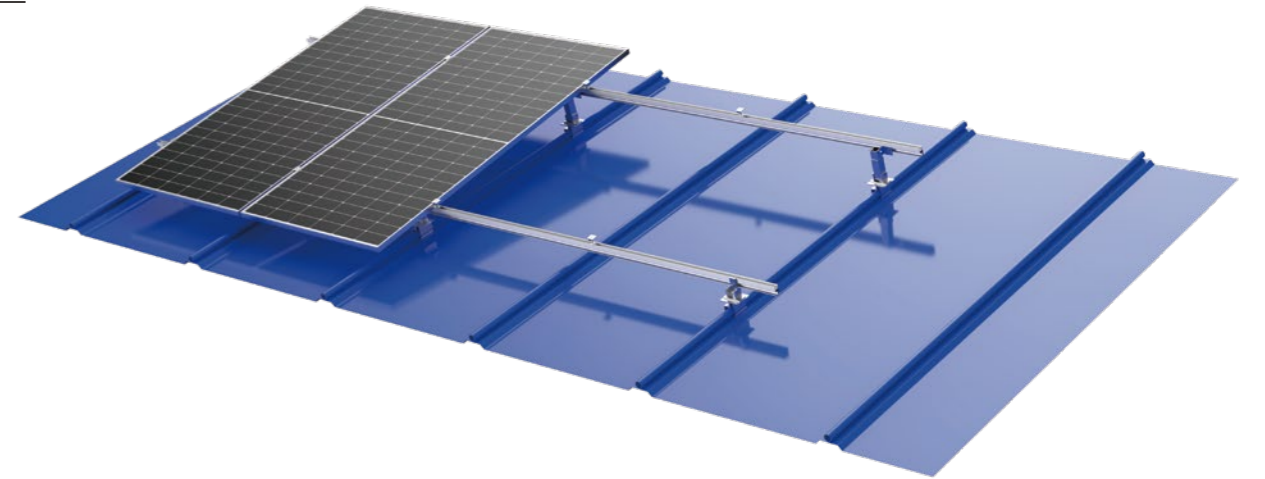
L Feet Kit   Hanger Bolt   Hanger Bolt Kit   Universal Clamp Kit H28-46   End Clamp Kit (MA)   Inter Clamp Kit (MA)   Splice for MA Rail   MA Rail

### Technical Parameters

System Name	L Feet Kit & Hanger Bolt Kit	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation Site	Pitched Roof		International Building Code IBC 2009,
Foundation	Trapezoidal Roof		California Building Code CBC 2010
Tilt Angle	0°	Material	AL6005-T5(Anodized)
Wind Load	≤60m/s	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Snow Load	≤1.6KN/m <sup>2</sup>	Small Components	AL6005-T5(Anodized)
Applicable Solar Module	Framed or Frameless	Color	Silver or Customized
Panel Layout	Portrait or Landscape	Warranty	10-Year Warranty

## SunRoof Metal

# ADJUSTABLE SUPPORT KIT SOLAR PV MOUNTING SYSTEM



### Overview

Adjustable Support Kit Solar PV Mounting System is applied in most Corrugated Metal Roof and Flat Roof commercial and industrial solar projects. The system can achieve stable and strong connection between the roof support structure and solar modules with modular Patented design. Adjustable angles can reduce the stock SKU and flexible for onsite installation. Pre-assembled kits save the installation time and cost onsite.

### Component Details



Front Support   Adjustable Back Support   End Clamp Kit (MA)   Inter Clamp Kit (MA)   Splice for MA Rail   MA Rail

### Technical Parameters

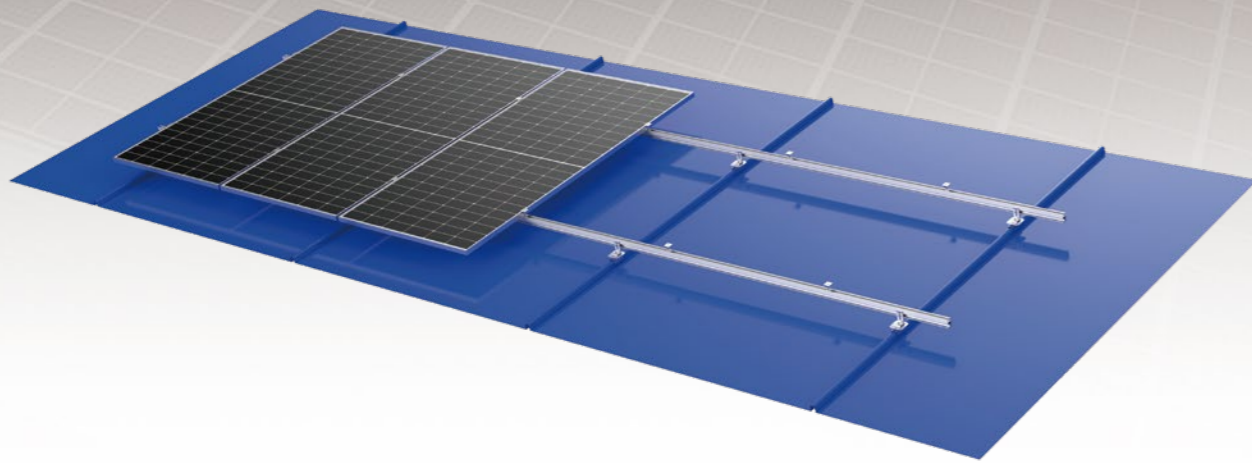
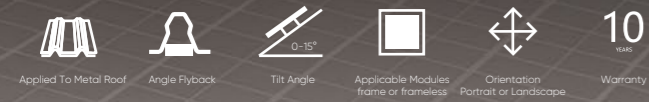
System Name	Adjustable Support	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation Site	Pitched Roof		International Building Code IBC 2009,
Foundation	Metal Roof		California Building Code CBC 2010
Tilt Angle	10-60°	Material	AL6005-T5(Anodized)
Wind Load	≤60m/s	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Snow Load	≤1.6KN/m <sup>2</sup>	Small Components	AL6005-T5(Anodized)
Applicable Solar Module	Framed or Frameless	Color	Silver or Customized
Panel Layout	Landscape or Portrait	Warranty	10-Year Warranty

# SunRoof Metal

# KLIPOK METAL ROOF MOUNTING SYSTEM

## Overview

Kliplok is mainly applied to metal roofs, and its material is AL6005-T5. With its professional design, it can realize the perfect connection between roof support and roof to meet customer installation requirement. Professional solution and structure design can save your installation time and cost. Moreover, patented and unique design can bring you a good installation experience.



## Advantages

### Applicable for Different Tile Roofs

According to customer requirement, choose different roof mounting system flexibly.

### Save Installation Time and Cost

Save the installation time and cost by offering installation manual and solution.

### Compatible to Different Types of Solar Modules

Free and flexible to choose different types of solar modules.

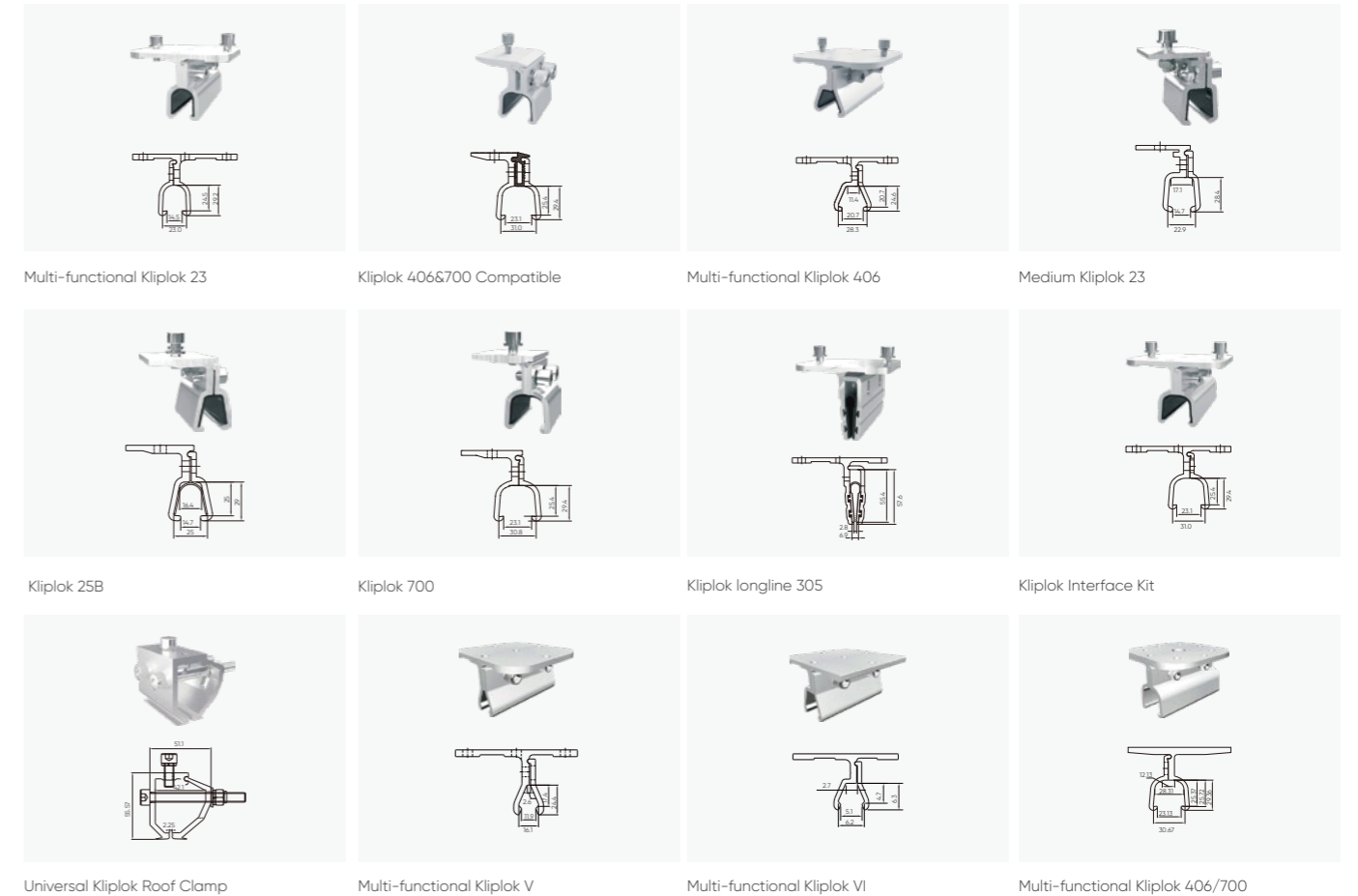
## Technical Parameters

System Name	Kliplok	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation Site	Pitched Roof	Hook Material	AL6005-T5(Anodized)
Foundation	Trapezoidal Metal Roof Support	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Tilt Angle	0-15°	Small Components	AL6005-T5(Anodized)
Wind Load	≤60m/s	Color	Silver or Customized
Snow Load	≤1.6KN/m <sup>2</sup>	Warranty	10 Years
Applicable Solar Module	Framed or Frameless		
Panel Layout	Portrait or Landscape		

## Components



## Optional Hook Type

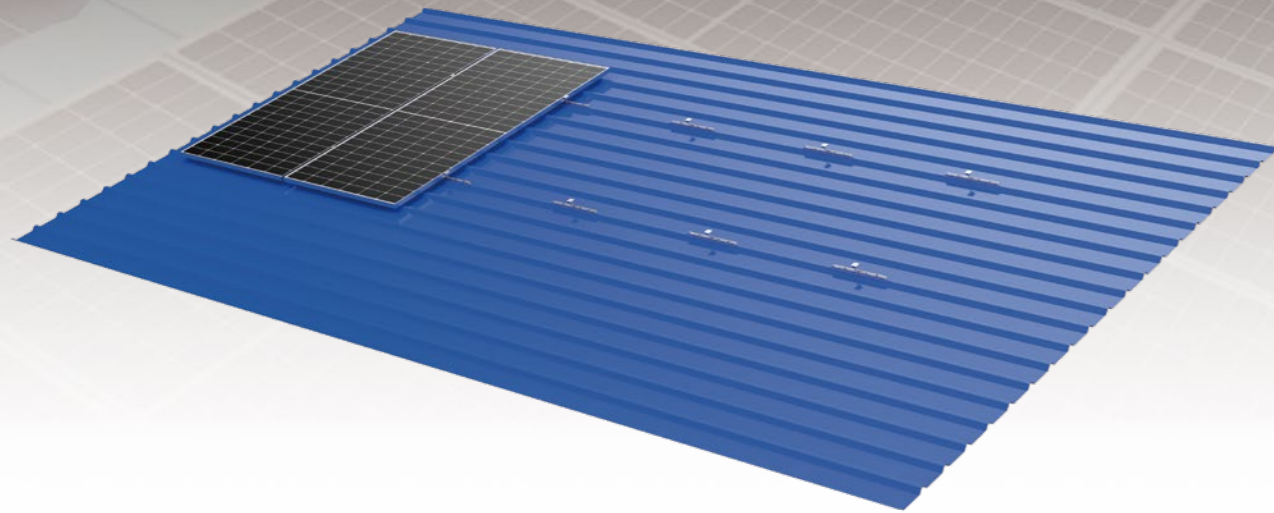
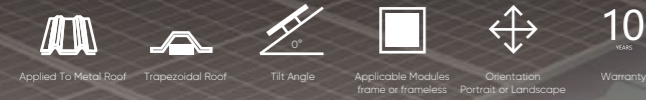


# SunRoof Metal

# MINI-RAIL KIT METAL ROOF PV MOUNTING SYSTEM

## Overview

Mini-Rail Kit is mainly applied to Trapezoidal Metal Roof commercial and industrial solar projects. The system can achieve stable and strong connection between the roof support structure and solar modules with modular Patented design. Pre-assembled kits save the installation time and cost onsite.



## Advantages

### Applicable for Different Metal Roofs

Design project by project, selecting configuration of mounting system components flexibly.

### Save Installation Time and Cost

Pre-assembled components and clear installation manuals are supplied to save the onsite installation time and cost, lead to better RoI.

### Compatible to Different Types of Solar Modules

Compatible to most kinds of framed 60-cell, 72-cell, half-cut cells modules and frameless modules.

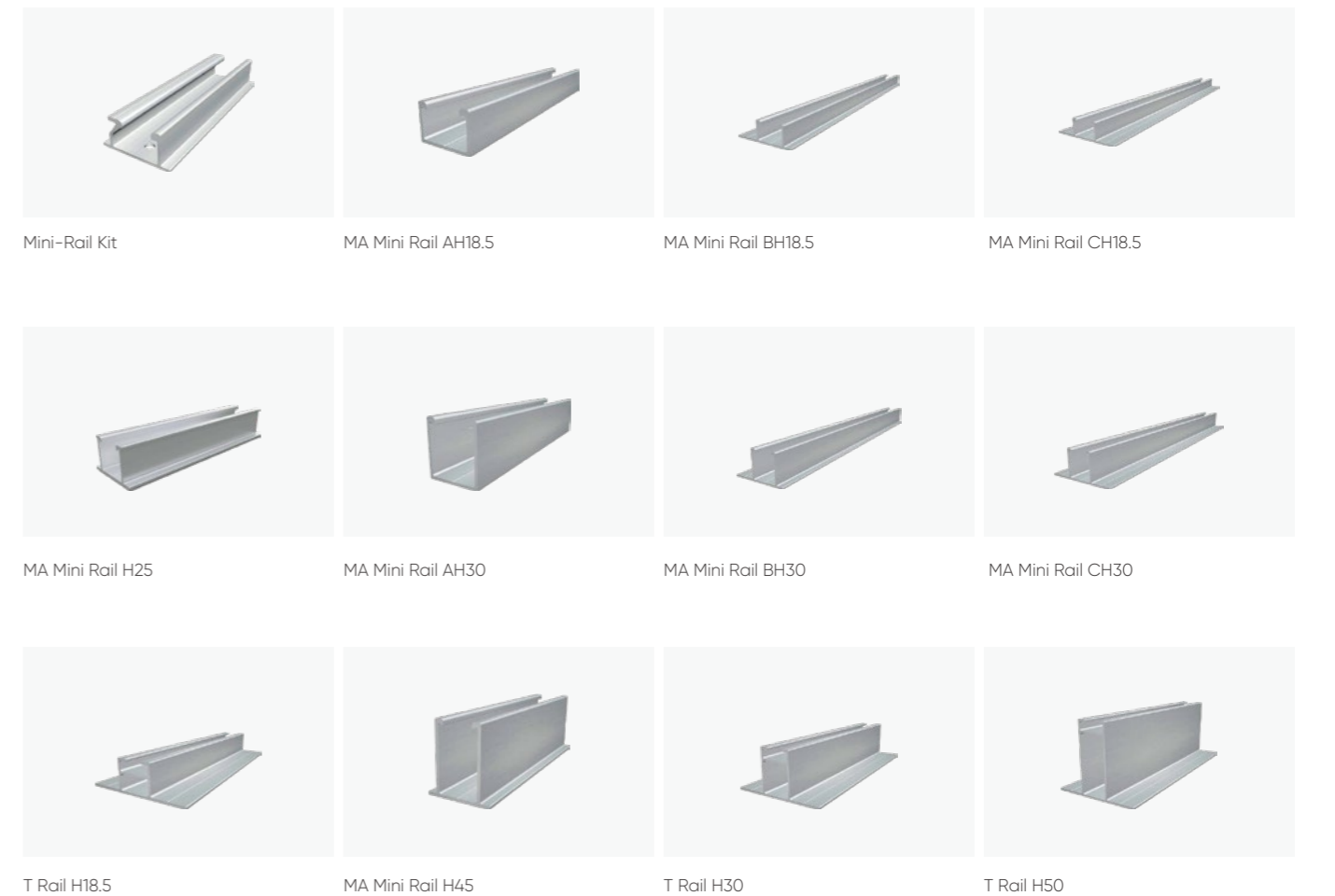
## Technical Parameters

System Name	Mini-Rail Kit	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation Site	Pitched Roof		International Building Code IBC 2009, California Building Code CBC 2010
Roof Type	Trapezoidal Roof	Material	Q235B(Hot-Dip Galvanized) & AL6005-T5(Anodized)
Tilt Angle	0°	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Wind Load	≤60m/s	Small Components	AL6005-T5(Anodized)
Snow Load	≤1.6KN/m <sup>2</sup>	Color	Silver or Customized
Applicable Solar Module	Framed or Frameless	Warranty	10-Year Warranty
Panel Layout	Portrait or Landscape		

## Components



## Optional Hook Type

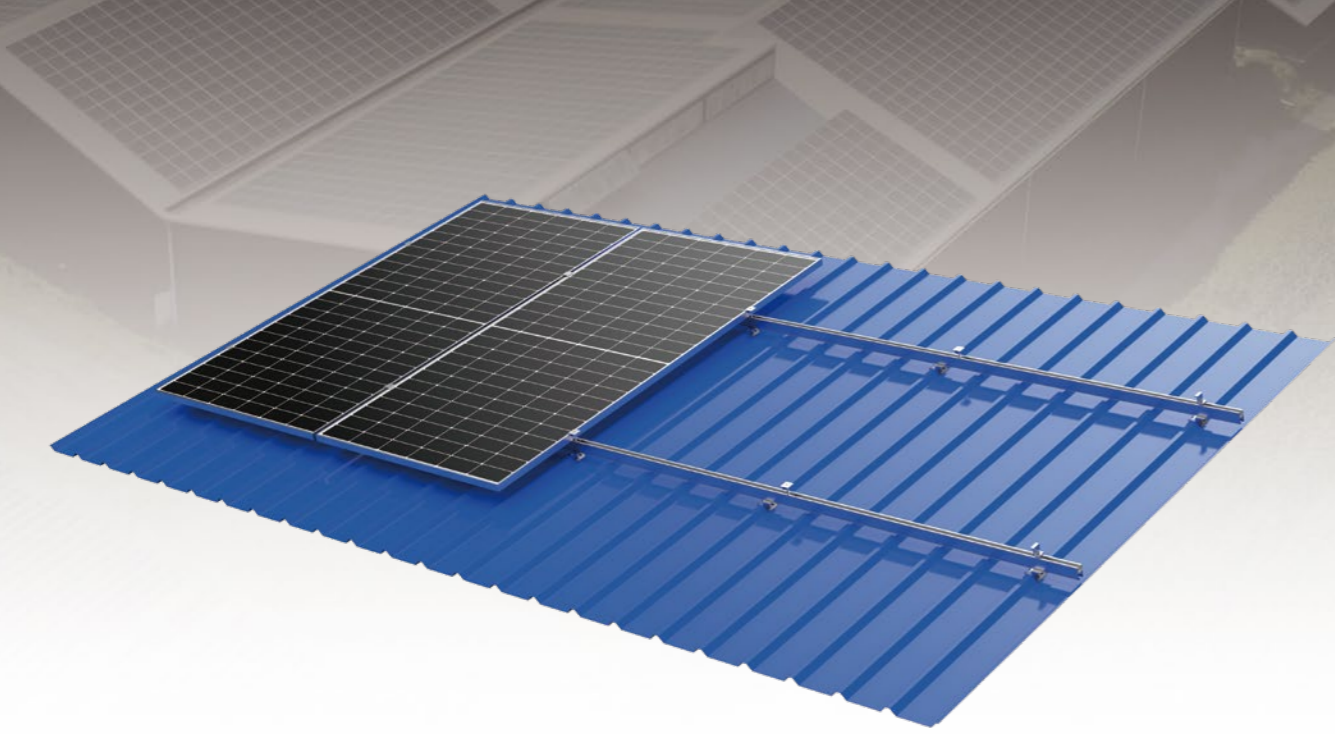


# SunRoof Metal

# TRAPEZOIDAL METAL ROOF SOLAR PV MOUNTING SYSTEM

## Overview

Trapezoidal Metal Roof Clamp Solar PV Mounting System is mainly applied to metal roof, and its main material is aluminium alloy. With its professional design, it can realize the perfect connection between kliploks and roof to meet customer installation requirement. Professional solution and structure design can save your installation time and cost. Moreover, Patented and unique design can bring you a good and fast installation experience.



## Advantages

### Applicable for different metal roofs

According to different metal roof types, making professionally design and achieve perfectly connection between the kliploks and roof tiles.

### Excellent structure design

Professional structure design will meet components installation requirements of tiled or with angle, as well as the installation in landscape and portrait orientation.

### Compatible to different types of solar modules

By its independent researched clamps, it is compatible to various solar modules in the market.

### Save installation time and cost

Patented structure design and system solutions will reduce on-site installation time and cost.

## Technical Parameters

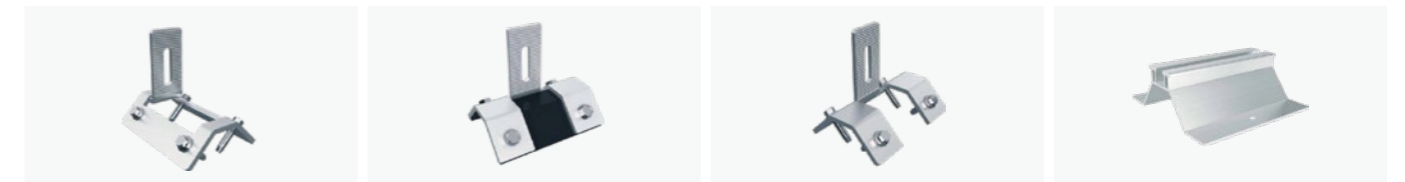
System Name	Trapezoidal Metal	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation Site	Pitched Roof		International Building Code IBC 2009, California Building Code CBC 2010
Foundation	Trapezoidal Metal Roof Support	Material	AL6005-T5(Anodized)
Tilt Angle	0-15°	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Wind Load	≤60m/s	Small Components	AL6005-T5(Anodized)
Snow Load	≤1.6KN/m <sup>2</sup>	Color	Silver or Customized
Applicable Solar Module	Framed or Frameless	Warranty	10-Year Warranty
Panel Layout	Portrait or Landscape		

## Components

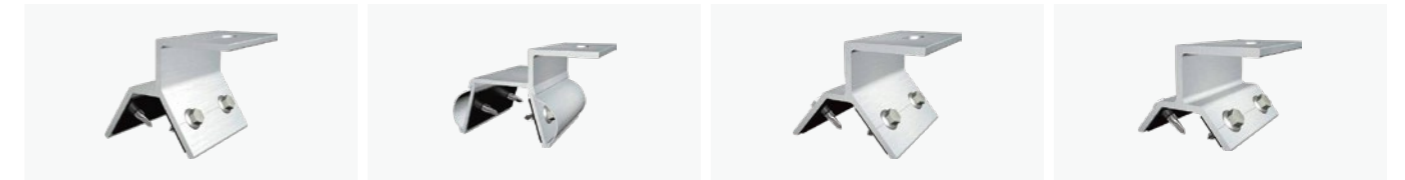


Adjustable Trapezoidal Roof Support    End Clamp Kit    U20 Inter Clamp Kit    Splice for Light Symmetrical Rail    Light Symmetrical Rail    Tile's Structure

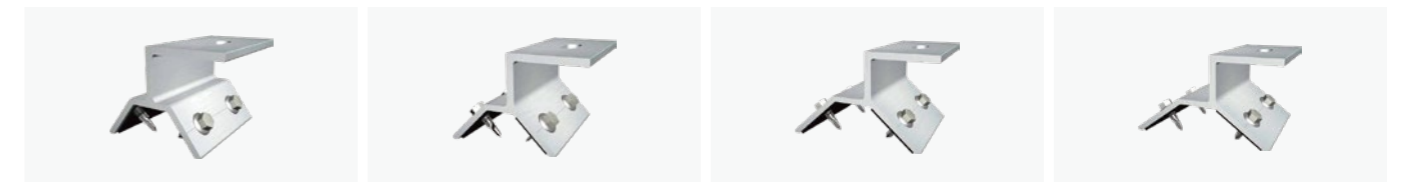
## Applicable Standing Seam Support



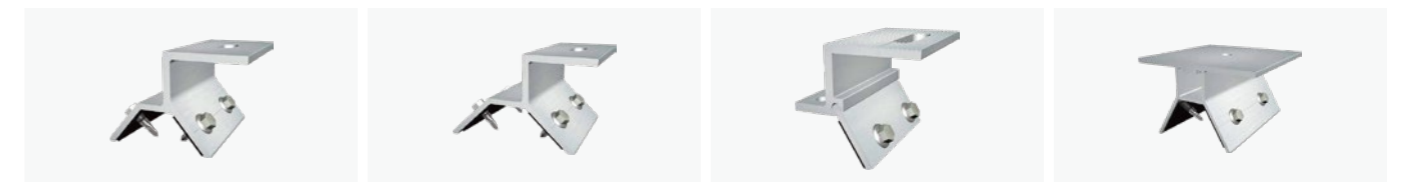
Trimdeck Roof Hook-07-A    Trimdeck Roof Hook    Trimdeck Roof Hook-07-B    Trimdeck Roof Clamp



Trapezoidal Roof Support E    Trapezoidal Roof Support F    Trapezoidal Roof Support G    Trapezoidal Roof Support I



Trapezoidal Roof Support J    Trapezoidal Roof Support K    Trapezoidal Roof Support L    Trapezoidal Roof Support N



Trapezoidal Roof Support M    Trapezoidal Roof Support P    Adjustable Trapezoidal Roof Support    Trapezoidal Roof Support A

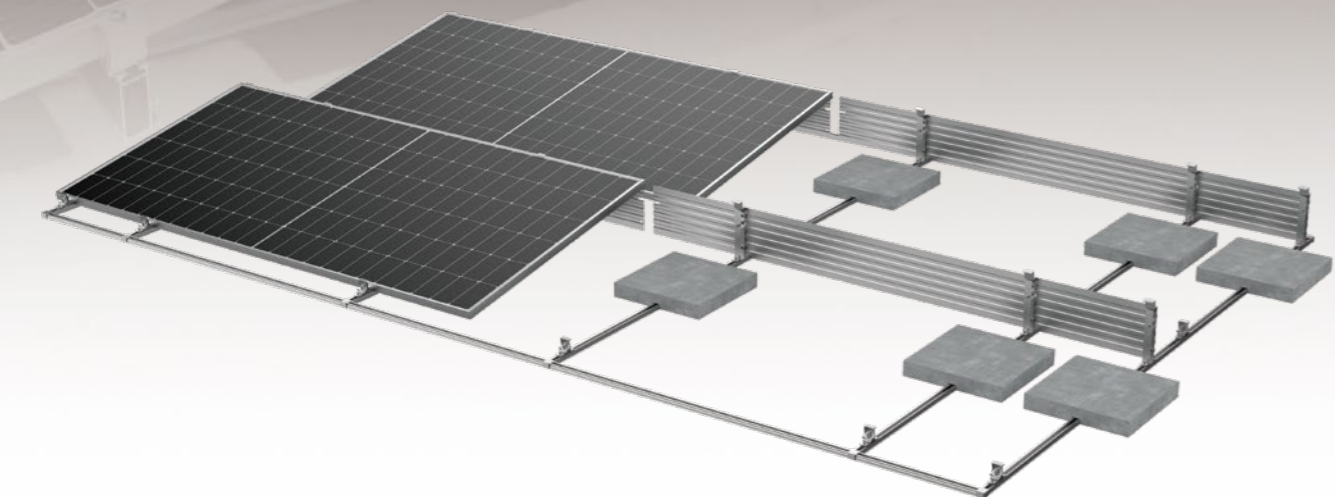


# BallastedRack

# BALLASTED ROOF SOLAR PV MOUNTING SYSTEM - SINGLE SIDE

## Overview

Ballasted-single Side Solar Pv Mounting System is a non-penetration solution for flat rooftop, to meet different tilt angles installation. It is applicable to the roof areas with medium wind load. Quick installation and stable structure are assured by the modular patented design.



## Advantages

### High Durability Ensure the Structure Strength

Professional structure design and high-density aluminum material ensure the stability and strength of the structure.

### Unique Matrix Design

The matrix design further assures the stability of the whole system, and flexibly compatible with concrete block or ballast foundation.

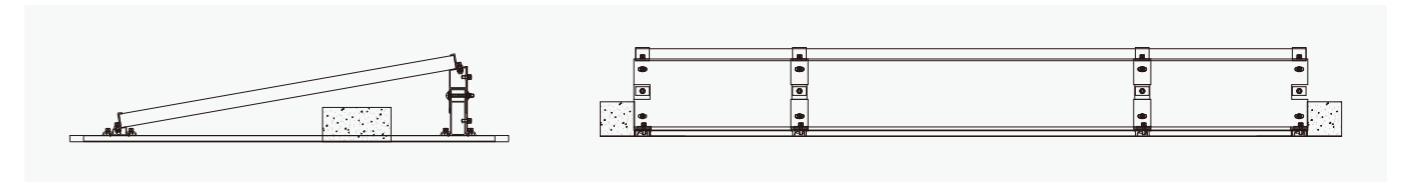
### Reasonable Installation and Package Design

Simplified components configuration lead to quicker installation and smaller package size, saving installation cost and freight.










## Technical Parameters

System Name	Ballasted Mounting System-Single Side	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation Site	Flat Concrete roof, Flat ground, Membrane roof		International Building Code IBC 2009, California Building Code CBC 2010
Roof Type	Concrete Ballast	Material	Q235B(Hot-Dip Galvanized) AL6005-T5(Anodized)
Tilt Angle	0-30°	Fastener	SUS304, Hot Dip Galvanized, Zinc-Nickel Alloy Electroplated Steel
Wind Load	≤44m/s	Small Components	AL6005-T5(Anodized)
Snow Load	≤1.6KN/m <sup>2</sup>	Color	Silver or Customized
Applicable Solar Module	Framed/Frameless, Any width panel	Warranty	10-Year Warranty
Panel Layout	Landscape		

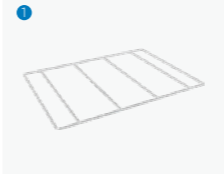
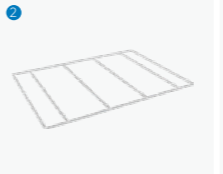
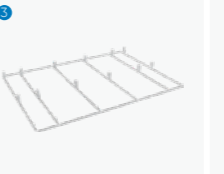
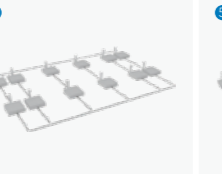
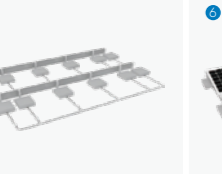

## Structure



## Component Details

 <p><b>GM Rail</b> Specification :L1350,L2700 Material : AL6005-T5(Anodized)</p>	 <p><b>Front Support Plate(Nut)</b> Specification :L50 Material :AL6005-T5(Anodized)</p>	 <p><b>Rear Support Plate(Upper) (10°)</b> Specification :L50 Material :AL6005-T5(Anodized)</p>
 <p><b>Rear Support Plate(Down)(10°)</b> Specification :L50 Material :AL6005-T5(Anodized)</p>	 <p><b>GM Rail's Two Way Connector</b> Specification :L65 Material : PP</p>	 <p><b>GM Rail's Three Way Connector</b> Specification :L90 Material :PP</p>
 <p><b>Corrugated Gasket Anchor Kit M8*75</b> Specification :L60 Material : AL6005-T5(Anodized)</p>	 <p><b>End Clamp Kit</b> Components : End Clamp Spring Washer M8 Hexagon Socket Bolt</p>	 <p><b>C Clamp Kit</b> Components : C Clamp Cross Module Spring Washer M8 Hex Socket Head Bolt</p>

## Installation Guide

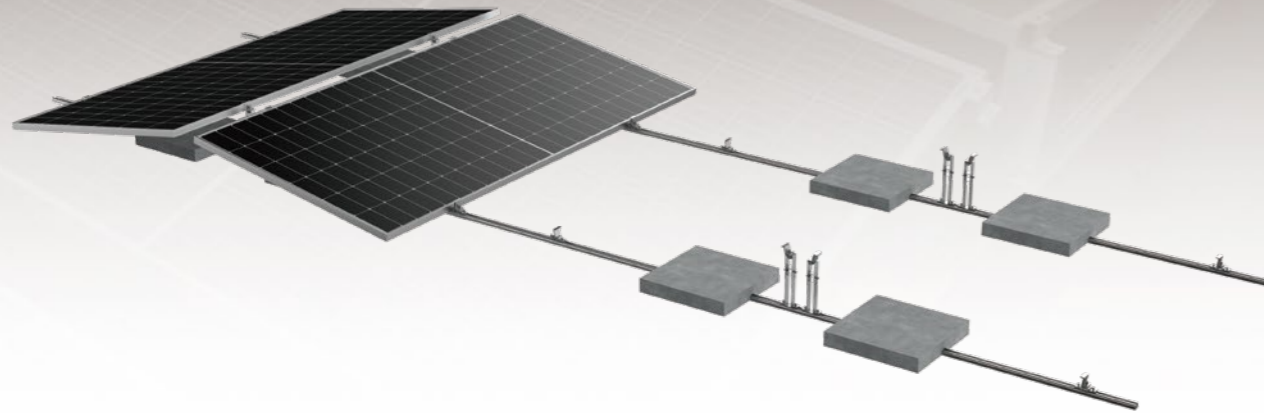
 <p>1 Connect the GM rail with connector</p>	 <p>2 Install the front support plate</p>	 <p>3 Install the rear support plate</p>	 <p>4 Put the cement pier</p>	 <p>5 Install the wind deflectors</p>	 <p>6 Install the panel, then the installation is done</p>
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# BallastedRack

# BALLASTED ROOF SOLAR MOUNTING SYSTEM - EAST WEST / TWO-SIDE

## Overview

Ballasted East West/Two Side Solar Mounting System is a non-penetration solution for flat rooftop, to meet different tilt angles installation. It is applicable to the roof areas with medium wind load. Quick installation and stable structure are assured by the modular patented design.



## Advantages

### High Durability Ensure the Structure Strength

Professional structure design and high-density aluminum material ensure the stability and strength of the structure.

### Unique Matrix Design

The matrix design further assures the stability of the whole system, and flexibly compatible with concrete block or ballast foundation.

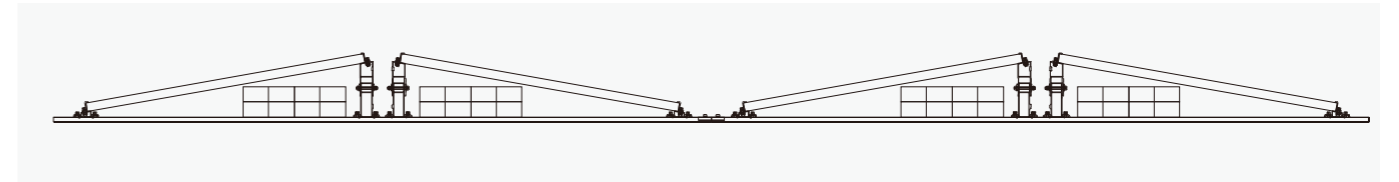
### Reasonable Installation and Package Design

Simplified components configuration lead to quicker installation and smaller package size, saving installation cost and freight.

## Technical Parameters

System Name	Ballasted East West/Two Side Solar Mounting System	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation Site	Flat Concrete roof, Flat ground, Membrane roof		International Building Code IBC 2009, California Building Code CBC 2010
Roof Type	Concrete Ballast	Material	AL6005-T5(Anodized)
Tilt Angle	10°	Fastener	SUS304, Hot Dip Galvanized, Zinc-Nickel Alloy Electroplated Steel
Wind Load	≤44m/s	Small Components	AL6005-T5(Anodized)
Snow Load	≤1.6KN/m <sup>2</sup>	Color	Silver or Customized
Applicable Solar Module	Framed/Frameless, Any width panel	Warranty	10-Year Warranty
Panel Layout	Landscape		

## Structure



## Component Details



### GM Rail

Specification : L1350,L2700  
Material : AL6005-T5(Anodized)



### Front Support Plate(Nut)

Specification : L50  
Material : AL6005-T5(Anodized)



### Rear Support Plate(Upper)(10°)

Specification : L50  
Material : AL6005-T5(Anodized)



### Rear Support Plate(Down)(10°)

Specification : L50  
Material : AL6005-T5(Anodized)



### C Clamp Kit

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



### End Clamp Kit

Components : End Clamp, Spring Washer M8, Hexagon Socket Bolt

## Installation Guide



Put the GM Rail

Install the support plate.

Put the cement pier.

Install the module

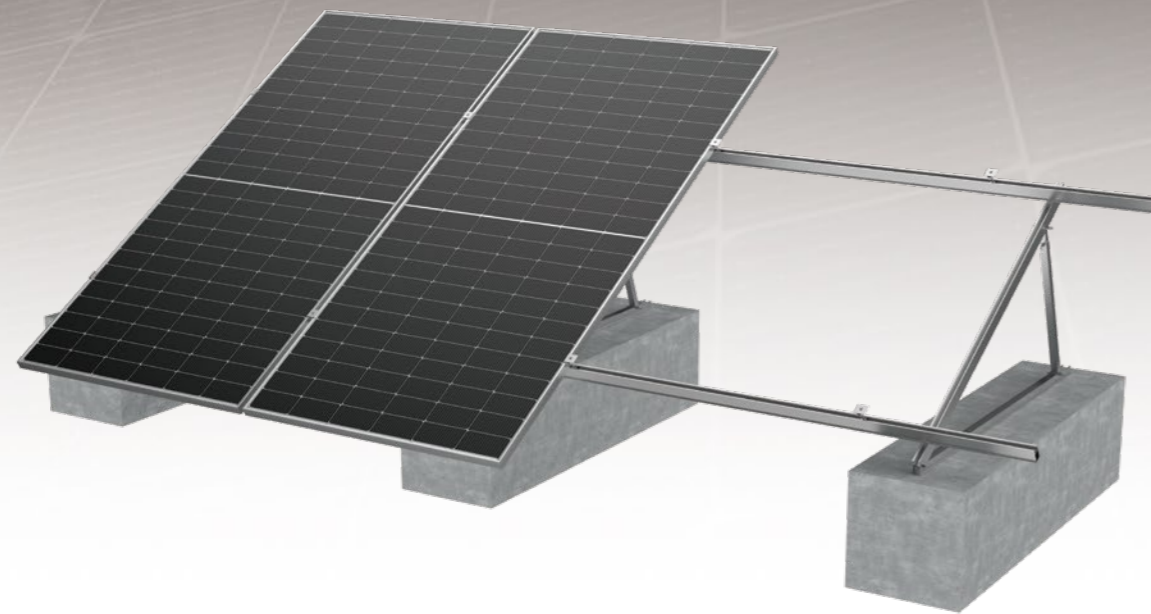
Complete installation

# TripodRack

# ROOF SOLAR PV MOUNTING SYSTEM MATRIX II

## Overview

Roof Solar PV Mounting System Matrix II is derived from RM I 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.



## Advantages

### System Compatibility

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

### Adjustability

Tilt angle can be adjustable

### Unique Mudsill Design

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

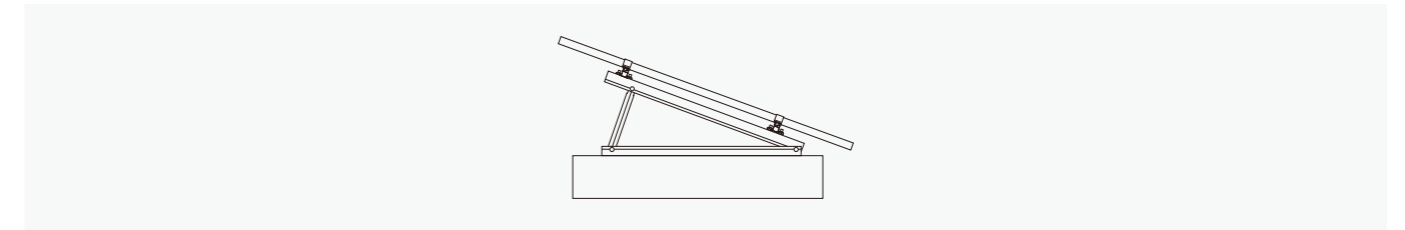
### Solar Module Layout Flexibility

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

## Technical Parameters

System Name	Tripod Rack Matrix II Mounting System	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation Site	Flat Roof, Pitched Roof		International Building Code IBC 2009, California Building Code CBC 2010
Roof Type	Concrete Roof, Metal Roof	Hook Material	AL6005-T5(Anodized)
Tilt Angle	0-60°	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Wind Load	≤60m/s	Small Components	AL6005-T5(Anodized)
Snow Load	≤1.6kN/m <sup>2</sup>	Color	Silver or Customized
Applicable Solar Module	Framed or Frameless	Warranty	10-Year Warranty
Panel Layout	Portrait or Landscape		

## Structure



## Component Details

<b>Pro Rail 50</b> <b>Specification :</b> 3100/4100/5100mm <b>Material :</b> AL6005-T5(Anodized)	<b>Splice for Pro Rail 50</b> <b>Specification :</b> Standard length 260mm Flange Head Self-taping Screw ST6.3*19 <b>Material :</b> AL6005-T5(Anodized)	<b>End Clamp Kit</b> <b>Components :</b> End Clamp Cross Module Spring Washer M8 Hex Socket Head Bolt	<b>Inter Clamp Kit</b> <b>Components :</b> End Clamp Cross Module Spring Washer M8 Hex Socket Head Bolt	<b>C Clamp Kit</b> <b>Components :</b> C Clamp Cross Module Spring Washer M8 Hex Socket Head Bolt
<b>Angle Aluminum Tripod Support</b> <b>Components :</b> Angle Aluminum Beam Angle Aluminum Mudsill Angle Aluminum Side Beam flat washerM8 spring washerM8 Hexagon Bolt M8*2.5	<b>Single Tripod Support</b> <b>Components :</b> Tripod Support Beam Tripod Support Mudsill Tripod Support SquareTubeA H.Jointer Flat Washer M10 Spring Washer M10 Hexagon Bolt M10*65	<b>Double Tripod Support</b> <b>Components :</b> Tripod Support Beam Tripod Support Mudsill Tripod Support Square Tube A/B H Jointer Flat Washer M10 Spring Washer M10 Hexagon Bolt M10*65	<b>Adjustable Tripod</b> <b>Components :</b> Tripod Support Beam Tripod Support Mudsill Tripod Support Square Tube A H Jointer Flat Washer M10 Hexagon Bolt M10*65	

## Installation Guide

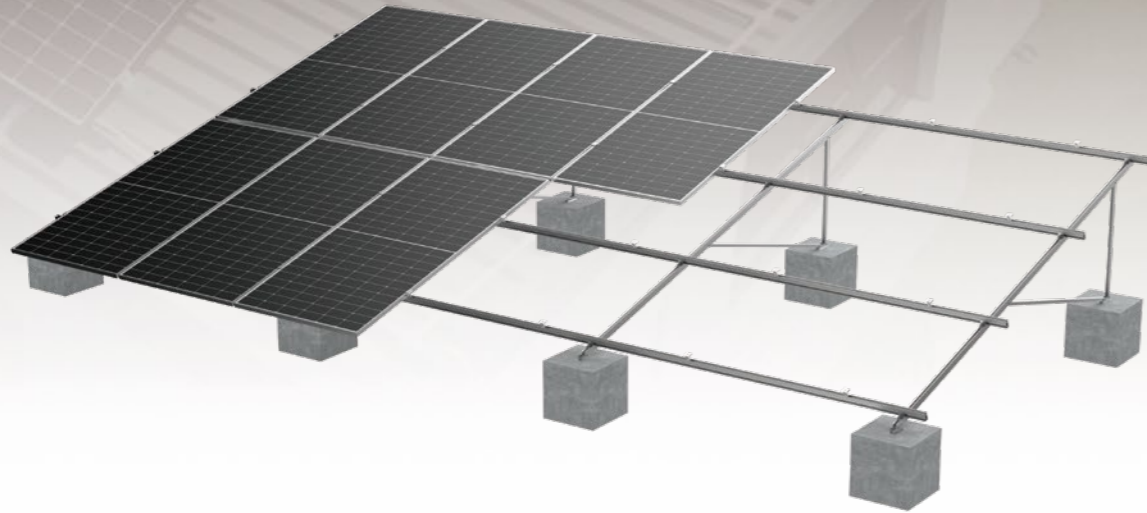
Place the concrete base at the position indicated on the solution drawings	Fasten the preassembled supports on the expansion bolts by C Clamps	Install splices	Fasten the rails by C Clamp Kits	Install modules on the rails	Fasten modules by Inner Clamp Kits	Fasten modules by End Clamp Kits	Complete installation

# BaseRack

# DOUBLE-ROW TRIPOD BASE-BEAM-FREE RMIV

## Overview

Double-row Tripod Base-beam-free RMIV is derived from RM II 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.



## Advantages

**System Compatibility**  
Components mostly pre-assembled in factory to assure quick and reliable installation on site. Suitable for different flat rooftop, and compatible to different types of solar modules.

**Adjustability**  
Tilt angle can be adjustable

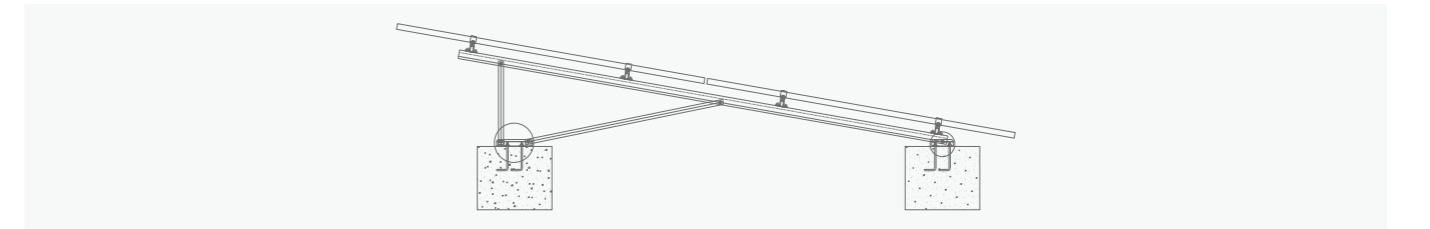
**Unique Mudsill Design**  
The mudsill can be fixed to flat roof or pitched roof with concrete foundation or steel foundation.

**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.





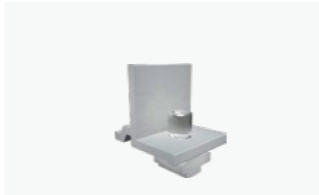



## Technical Parameters

System Name	Double-row Tripod Base-beam-free RMIV	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation Site	Flat roof, ground		International Building Code IBC 2009, California Building Code CBC 2010
Roof Type	Concrete foundation, steel foundation	Hook Material	AL6005-T5(Anodized)
Tilt Angle	0-60°	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Wind Load	≤60m/s	Small Components	AL6005-T5(Anodized)
Snow Load	≤1.6KN/m <sup>2</sup>	Color	Silver or Customized
Applicable Solar Module	Framed or Frameless	Warranty	10-Year Warranty
Panel Layout	Portrait or Landscape		


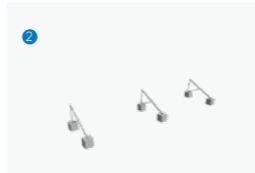

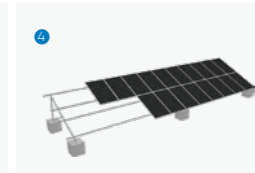

## Structure



## Component Details

 <p><b>MA Rail</b> Specification : 3100/4100/5100mm Material : AL6005-T5(Anodized)</p>	 <p><b>Splice kit for MA Rail</b> Specification : L1200 Material : AL6005-T5(Anodized)</p>	 <p><b>End clamp kit(MA)</b> Components : End Clamp, Cross Module, Spring Washer M8, Hex Socket Head Bolt</p>	 <p><b>Inter Clamp Kit(MA)</b> Components : Inter Clamp, Cross Module, Spring Washer M8, Hex Socket Head Bolt</p>
 <p><b>Rail Clamp(MA)</b> Material : AL6005-T5(Anodized)</p>	 <p><b>RMIV Back Base</b> Material : Steel Q235B (Hot-Dip Galvanized)</p>	 <p><b>RMIV Front Base</b> Material : Steel Q235B (Hot-Dip Galvanized)</p>	 <p><b>Pre-assembled Structure</b> Material : AL6005-T5(Anodized)</p>

## Installation Guide

 <p>1 Place the concrete base and install the anchor base</p>	 <p>2 Install pre-assembled structure</p>	 <p>3 Install the rail</p>	 <p>4 Install the panels</p>	 <p>5 Complete installation</p>
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# FlexRack

# MANUALLY ADJUSTABLE GROUND MOUNTING

## Overview

Manually Adjustable Ground Terrace is suitable for the installation of large-scale commercial and utility solar power stations. The product has a firm structure with strong stability. The main parts are made of carbon steel, which has good corrosion resistance. The product is flexible in design, and the angle of the panel can be adjusted manually, making the power generation more efficient and profitable. The optimized design of the structure effectively improves the installation time and greatly reduces the installation cost.



## Advantages

**Strong adaptability to the environment, high power generation efficiency**  
Suitable for different ground environments

**Adjustable angle design**  
The entire system can manually adjust the required angle, making power generation more efficient and more profitable.

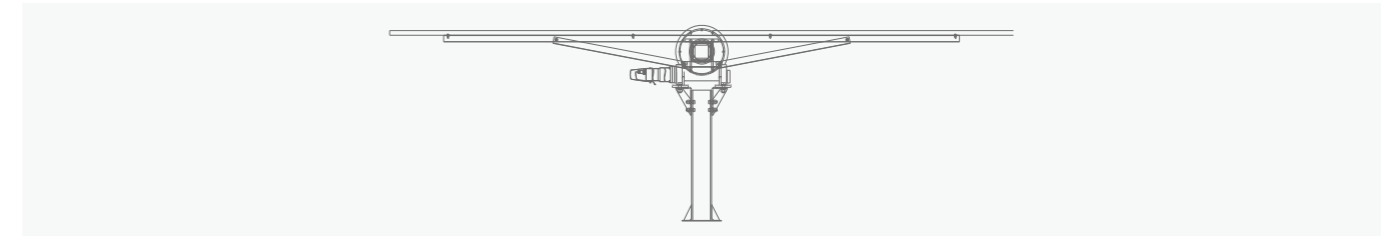
**Fully compatible with different PV modules**  
It is compatible with various types of PV modules freely and flexibly.

**Professional structural design**  
It can ensure the overall stability and strength of the system. It was pre-assembled in the factory prior to delivery and the installation only needs to be fixed and spliced with fasteners on site.

## Technical Parameters

System Name	Ground	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation Site	Concrete Base		International Building Code IBC 2009, California Building Code CBC 2010
Tilt Angle	10-40°	Material	Q235B(HDG) & Q355(HDG)
Wind Load	≤40m/s	Fastener	SUS304 & Nickle-Zinc Alloy & Q355(HDG)
Snow Load	≤0.8KN/m <sup>2</sup>	Small Components	Q235B(HDG)
Ground Clearance	≤1000mm+	Color	Silver or Customized
Applicable Solar Module	Framed	Warranty	10-Year Warranty
Panel Layout	Portrait		

## Structure



## Component Details

<b>Square Steel</b> Material : Steel Q235B (Hot-Dip Galvanized)	<b>Angle Bar</b> Material : Steel Q235B (Hot-Dip Galvanized)	<b>Control Box</b> Material : Steel Q235B (Hot-Dip Galvanized)	<b>Post</b> Material : Steel Q235B (Hot-Dip Galvanized)	<b>Holder for Post of Push Rod</b> Material : Steel Q235B (Hot-Dip Galvanized)
<b>Bearing's Plate</b> Material : Steel Q235B (Hot-Dip Galvanized)	<b>Bearing base</b> Material : Steel Q235B (Hot-Dip Galvanized)	<b>U-shape Bolt</b> Material : Steel Q235B (Hot-Dip Galvanized)	<b>Electric Push Rod</b> Material : Steel Q235B (Hot-Dip Galvanized)	<b>Hoop Kit</b> Material : Steel Q235B (Hot-Dip Galvanized)

## Installation Guide

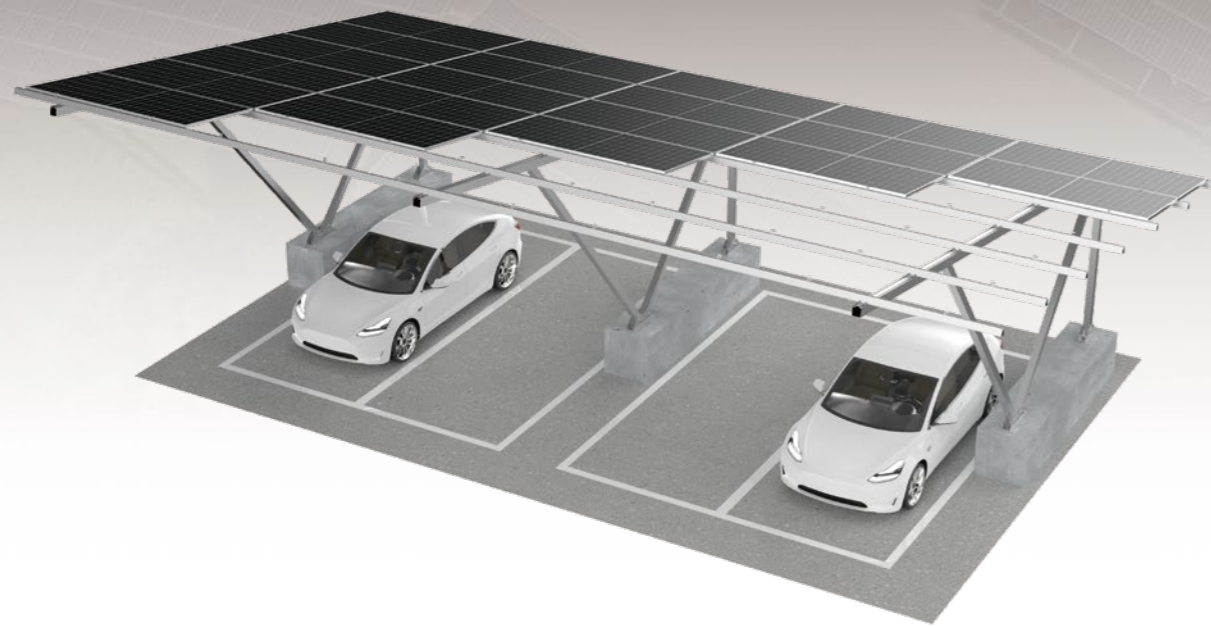
Install Posts according to the engineering drawing	Install motor and bearing sleeve	Install main beams	Install damper	Install portrait beams	Use Inter Clamp Kits and End Clamp Kits to fix panels

# SunShade

# SOLAR CARPORT SYSTEM II

## Overview

The idle area of the parking shed is used to build a photovoltaic parking shed, and the combination of photovoltaic power generation and carport is the simplest one in the combination of photovoltaic and building. It can not only achieve all the functions of the traditional carport, but also bring electricity generation benefits to the owner. It is stored in the battery by the charging device or directly supplied to the electric vehicle to charge for self-use. You can even use extra power to get online. Using aluminum alloy structure bracket, simple installation, generous, fashionable, beautiful.



## Advantages

### Customized Solution

Design case by case, making a good utilization of ground resource and pursuit for easy and quick installation.

### Save Installation Time and Labor Cost on Site

With installation manuals and system solution, the construction on site will be simple. Less construction time directly reduces project costs.

### High Waterproof

The special waterproof conforms to the structure of system, which make the performance Stronger

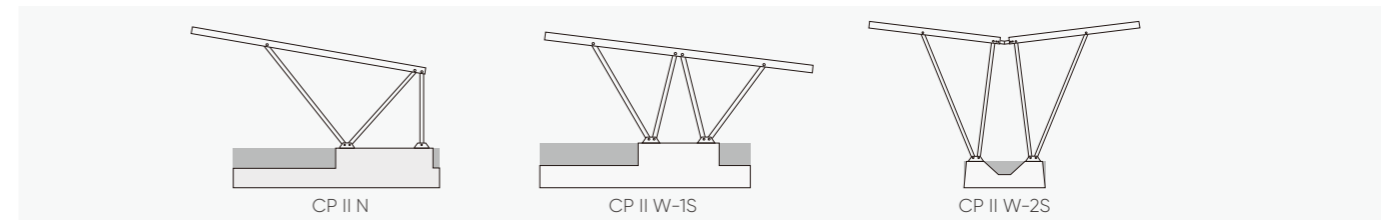
### Compatible to Varied Solar Modules

With SunRack module clamps, the system compatible with most kinds of framed and frame and frameless modules.


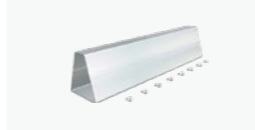




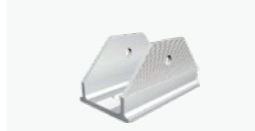



## Technical Parameters

System Name	Open Area	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Foundation	Concrete Base		International Building Code IBC 2009, California Building Code CBC 2010
Tilt Angle	5-15°	Hook Material	AL6005-T5(Anodized)
Wind Load	≤45m/s	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Snow Load	≤1.2KN/m <sup>2</sup>	Small Components	AL6005-T5(Anodized)
Ground Clearance	≤2000mm+	Color	Silver or Customized
Applicable Solar Module	Framed or Frameless	Warranty	10-Year Warranty
Panel Layout	Portrait or Landscape		

## Structure



## Component Details

 <p><b>Conical Symmetric Cross Beam 135</b> Specification : L*58*135 Standard Length: 3300mm 5000mm</p>	 <p><b>Splice for Conical Symmetric Cross Beam 135</b> Specification : L260mm Components : Hexa Self-Tapping Screw With EPDM Washer ST6.3*19</p>	 <p><b>Beam 160</b> Specification : L*100*100 Material : AL6005-T5(Anodized)</p>	 <p><b>C Clamp Kit</b> Components : C Clamp Symmetric Cross Module Spring Washer M8 Hexagon Socket Bolt</p>	 <p><b>Wide End Clamp Kit</b> Components : Wide End Clamp Symmetric Cross Module Spring Washer M8 Hexagon Socket Bolt</p>
 <p><b>U25 Inter Clamp Kit</b> Components : U25 Inter Clamp Symmetric Cross Module Spring Washer M8 Hexagon Socket Bolt</p>	 <p><b>Anchor Plate for Carport(L250)</b> Specification : 62*49*L250 Material : AL6005-T5(Anodized)</p>	 <p><b>Square Tube</b> Specification : L*100*100 Material : AL6005-T5(Anodized)</p>	 <p><b>Anchor Plate for Carport(L450)</b> Specification : 62*49*L450 Material : AL6005-T5(Anodized)</p>	 <p><b>Waterproof for Cross Beam</b> Specification : L*100*100</p>

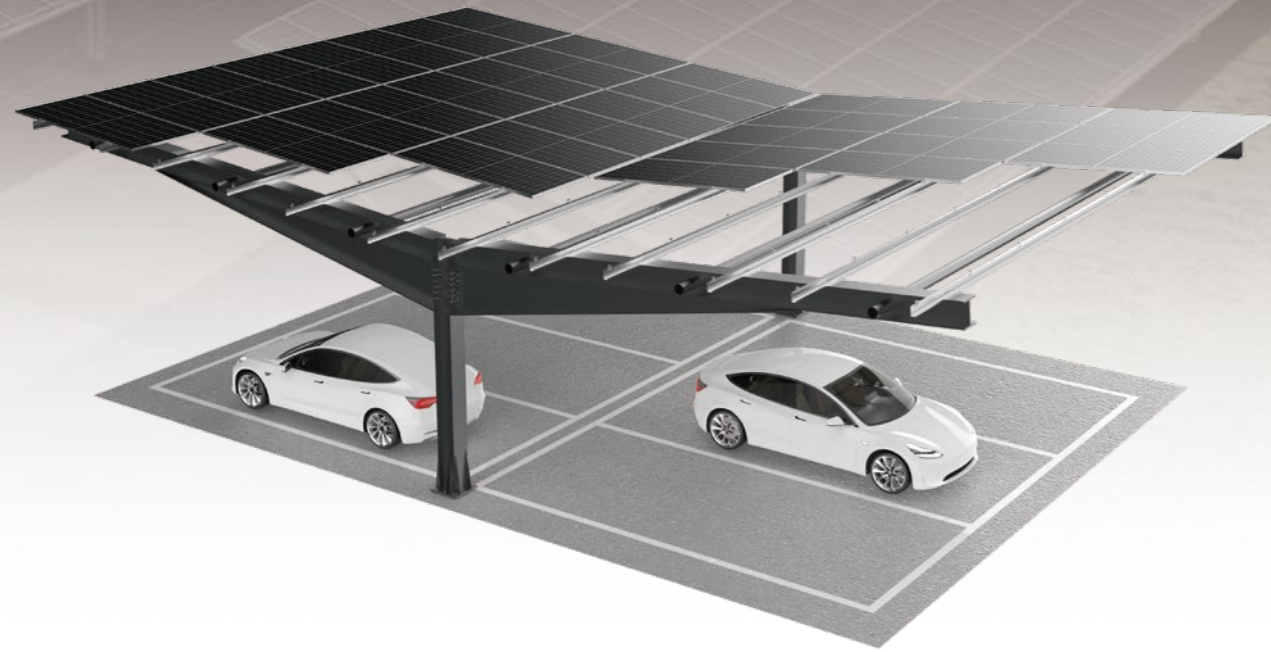
## Installation Guide

 <p>1 Grout the bolt embedded on the concrete foundation based on project solution.</p>	 <p>2 Fix Corrugated T Anchor Plate Kit on the concrete foundation.</p>	 <p>3 Connect the Pre-assemble Support with the Anchor Plate Kit on the concrete foundation.</p>	 <p>4 The installation of Pre-assemble Support is done.</p>	 <p>5 Install beam</p>	 <p>6 The installation of beam is done</p>	 <p>7 Fix the solar module with Inter Clamp Kit &amp; End Clamp Kit.</p>	 <p>8 Installation is done</p>
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# SunShade MONO CARPORT SYSTEM

## Overview

Pro Mono Carport System is mainly customized according to customer site requirements, which is convenient parking, beautiful appearance. PV carport not only has the function of ordinary carport, but also can generate electricity and income through solar power generation. Professional solutions bring you a simple and convenient installation experience, Mibet engineers have been committed to optimize the system design, products and service quality, and provide you with the best quality solutions of photovoltaic shed.



## Advantages

### Customized Solution

Design case by case, making a good utilization of ground resource and pursuit for easy and quick installation.

### Save Installation Time and Labor Cost

Pre-assembled Components Save Onsite Installation Time Solution design case by case, most components pre-assembled in factory, no onsite cut and drill request, saving the onsite installation time and cost.

### Convenient parking and beautiful appearance

The single column design makes the structure simpler, minimizes obstruction, and facilitates parking and access.

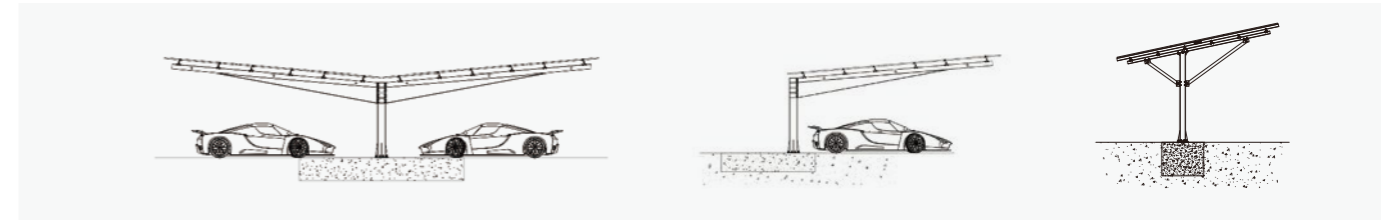
### Compatible to Varied Solar Modules

With module clamps, the system compatible with most kinds of framed 60-cell, 72-cell.

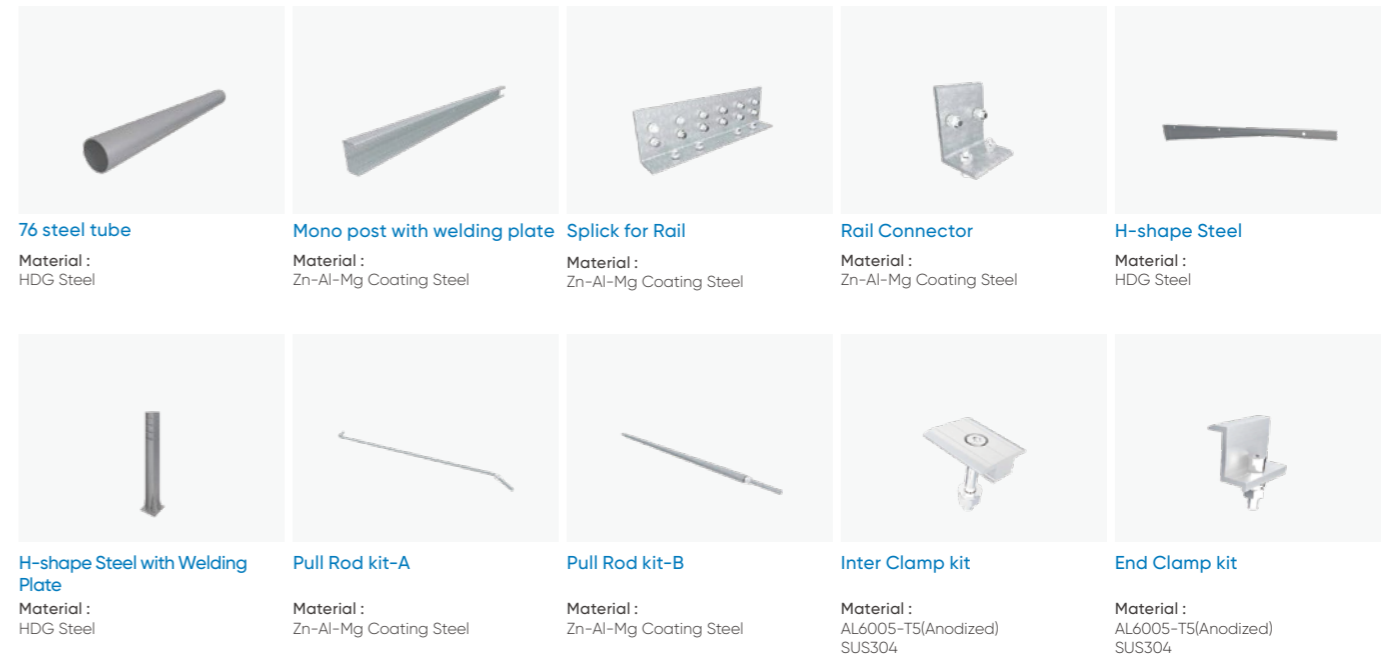
## Technical Parameters

System Name	Open Area	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10 International Building Code IBC 2009, California Building Code CBC 2010
Foundation	Concrete Foundation	Hook Material	Zn-Al-Mg Coating Steel & HDG Steel
Tilt Angle	5-15°	Fastener	Zn-Ni Alloy & SUS304 & HDG Steel
Wind Load	≤50m/s	Small Components	AL6005-T5 (Anodized)
Snow Load	≤1.6KN/m <sup>2</sup>	Color	Silver or Customized
Ground Clearance	≤1800mm~3000mm	Warranty	10-Year Warranty
Applicable Solar Module	Framed or Frameless		
Panel Layout	Portrait or Landscape		

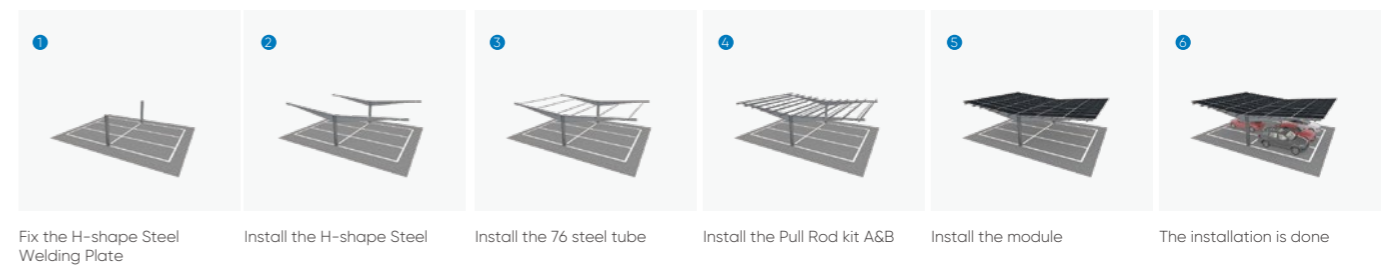
## Structure



## Component Details



## Installation Guide



# GroundRack

# GROUND MOUNTING GT2

## Overview

Ground Terrace Ground Mounting GT2 is a highly pre-assembled ground mounting system, which can be applied to the installation of large commercial and utility scale solar PV projects. Made of high quality aluminum material, GT2 has excellent corrosion resistance performance. The single-pile patented structure design saves installation time and cost, with good compatibility to varied solar modules.



## Advantages

### Pre-assembled Components Save Onsite Installation Time

Solution design case by case, most components pre-assembled in factory, no onsite cut and drill request, saving the onsite installation time and cost.

### Structure Configuration Multi-Options

Single or double embrace bars structure configuration available to meet varied projects requests.

### Single-Pile Design

Single-pile design reduce half of the ramming time, saving the construction cost.

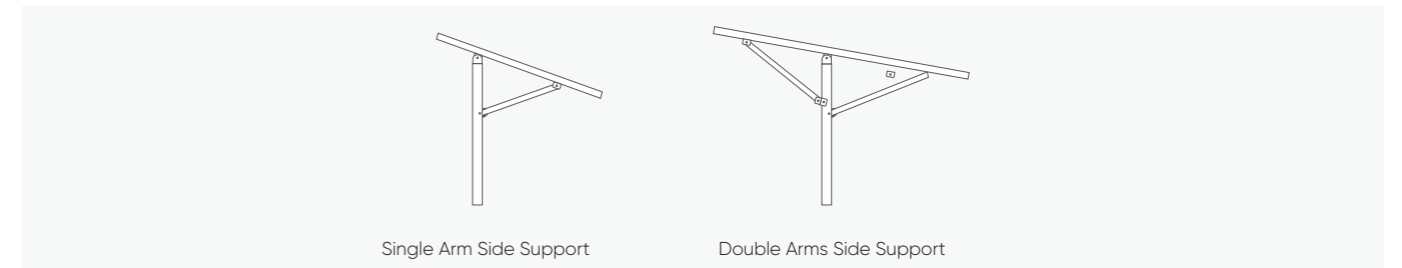
### Flexibility and Adjustability

The structure can be adjusted with some tolerance with east-west, west-south and south-north directions, assuring flexible on-site installation to achieve best yield for solar modules.









## Technical Parameters

System Name	Ground	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10 International Building Code IBC 2009, California Building Code CBC 2010
Foundation	U Post	Material	Steel Q235B(Hot-Dip Galvanized),AL6005-T5(Anodized)
Tilt Angle	0-60°	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Wind Load	≤60m/s	Small Components	AL6005-T5 (Anodized)
Snow Load	≤1.6KN/m <sup>2</sup>	Color	Silver or Customized
Ground Clearance	≤500mm~2000mm	Warranty	10-Year Warranty
Applicable Solar Module	Framed or Frameless		
Panel Layout	Portrait or Landscape		

## Structure



## Component Details

 <p><b>Rail 85</b> Specification : L*63.5*85 Material : 3100mm 4100mm 5100mm</p>	 <p><b>Splice for Rail 85</b> Specification : L260mm Components : Hexa Self-Tapping Screw With EPDM Washer ST6.3*19</p>	 <p><b>GT2 Pre-assembled Support</b> Components : U Beam ; T Shape Jointer ; C clamp Kit Pre-Assembled Square Tube Spring Washer M12 ; Washer M12 Hexagon Nut M12 ; Hexagon Bolt M12*95 Hexagon Bolt M12*75</p>	 <p><b>C Clamp Kit</b> Components : C Clamp Cross Module Spring Washer M8 Hexagon Socket Bolt</p>
 <p><b>End Clamp Kit</b> Components : End Clamp Cross Module Spring Washer M8 Hexagon Socket Bolt</p>	 <p><b>Inter Clamp Kit</b> Components : Inter Clamp Cross Module Spring Washer M8 Hexagon Socket Bolt</p>	 <p><b>Post Plate</b> Material : AL6005-T5(Anodized) Specification : Plate A: L90 Plate B: L70</p>	 <p><b>U Post</b> Material : Steel Q235B (Hot-Dip Galvanized)</p>

## Installation Guide





# GroundRack

# CONCRETE BASE OR GROUND SCREW MOUNTING

## Overview

Ground Terrace Concrete Base Or Ground Screw is a highly pre-assembled ground mounting system, with strong wind load and snow load resistance. The system can achieve minor adjustment onsite with special design of Anchor Plate to adapt to different sites, and is mainly applied to medium to large scale solar PV projects. Patented and certified system design ensure projects safety and quick installation.



## Advantages

### Pre-assembled Components Save Onsite Installation Time

Solution design case by case, most components pre-assembled in factory, no onsite cut and drill request, saving the onsite installation time and cost.

### No Drill on Portrait Beam

It improves the strength of the system to fix the portrait beam onto the post by special designed clamps, with force at the same direction of the gravity

### Quick Modular Kit Fixation

Most of the components are designed as modular kit with anodized aluminum to further ensure easy and fast construction on site.

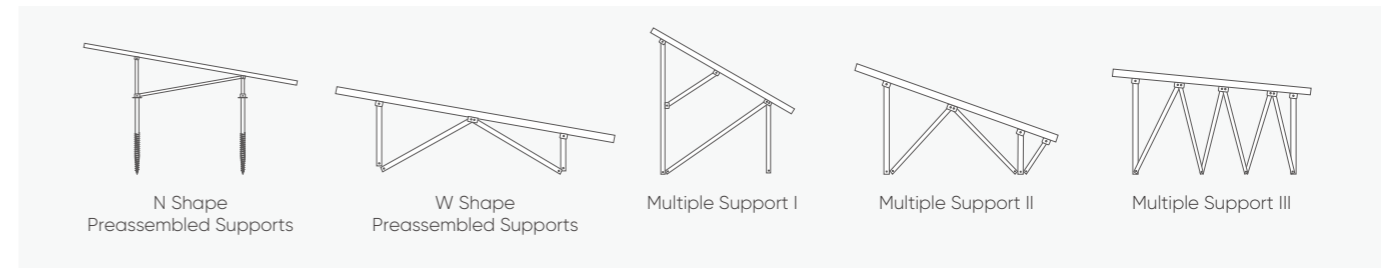
### Flexibility and Adjustability

The structure can be adjusted with some tolerance with east-west, west-south and south-north directions, assuring flexible on-site installation to achieve best yield for solar modules.

## Technical Parameters

System Name	Ground	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10 International Building Code IBC 2009, California Building Code CBC 2010
Foundation	Concrete Base or Ground Screw	Material	AL6005-T5(Anodized)
Tilt Angle	0-60°	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Wind Load	≤60m/s	Small Components	AL6005-T5 (Anodized)
Snow Load	≤1.6KN/m <sup>2</sup>	Color	Silver or Customized
Ground Clearance	≤500mm~2000mm	Warranty	10-Year Warranty
Applicable Solar Module	Framed or Frameless		
Panel Layout	Portrait or Landscape		

## Structure



## Component Details

<p><b>Cross Beam 85</b> Specification : L*71*85 Material : 3100mm 4100mm 5100mm</p>	<p><b>Splice for Cross Beam 85</b> Specification : L260mm Components : Hexa Self-Tapping Screw With EPDM Washer ST6.3*19</p>	<p><b>GT4 Preassembled Support</b> Components : C Clamp 80, T Front Joinder, T Back Joinder, Flat Washer M8, Spring Washer M8, Flat head Hexagon Bolt, GT4 Square Tube A, GT4 Square Tube B, GT4 Square Tube C, Flat Washer M12, Spring Washer M12, External Hexagon Bolt M12, External Hexagon Bolt Kit M12*90, GT4 Square Tube A</p>	<p><b>C Clamp Kit</b> Components : C Clamp, Cross Module, Spring Washer M8, Hexagon Socket Head Bolt M8*28</p>
<p><b>Wide End Clamp Kit</b> Components : Wide End Clamp, Cross Module, Spring Washer M8, Hexagon Socket Head Bolt</p>	<p><b>U25 Inter Clamp Kit</b> Components : Inner Clamp, Cross Module, Spring Washer M8, Hexagon Socket Head Bolt</p>	<p><b>GT4 Corrugated T Anchor Plate Kit</b> Components : Inner Clamp, Corrugated Gasket, Corrugated T Plate, Spring Washer M8, Hexagon Bolt Kit Material : AL6005-T5(Anodized)</p>	<p><b>GT4 Corrugated U Anchor Plate Kit</b> Components : Corrugated Washer, Corrugated U Anchor Plate, M12*95 External Hexagon Bolt Kit Material : AL6005-T5(Anodized)</p>

## Installation Guide

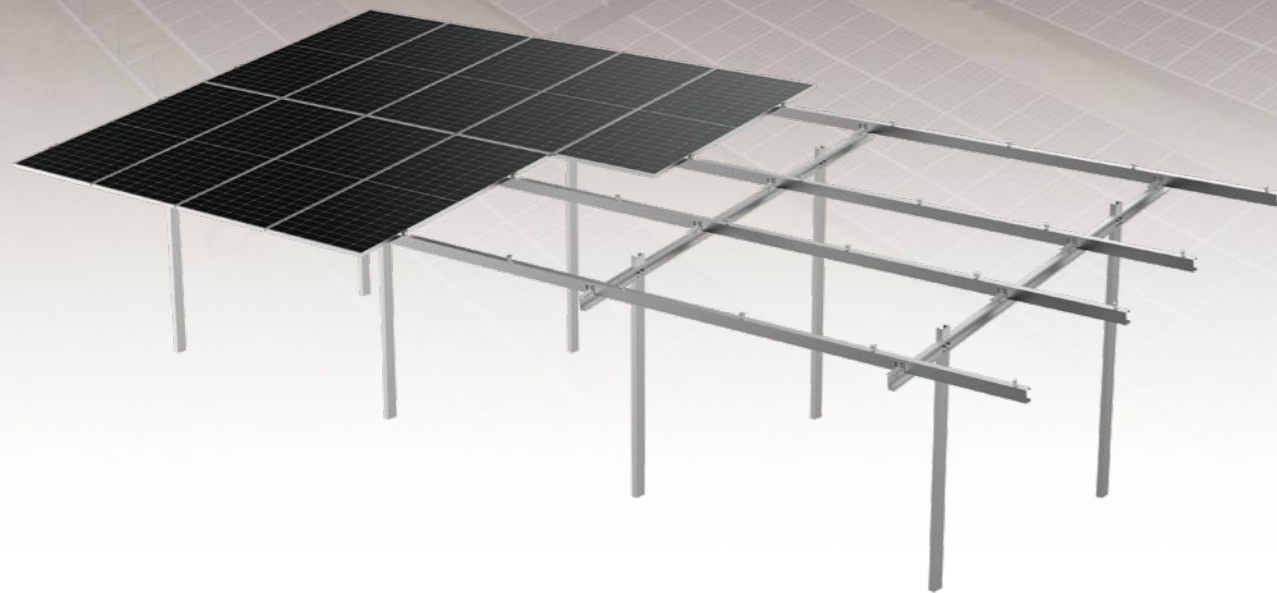
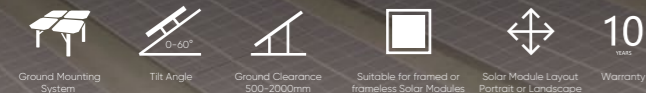


# GroundRack

# C-SHAPE, I-SHAPE, π-SHAPE PILES GROUND MOUNTING

## Overview

C-shape, I-shape, π-shape Piles Ground Solar Pv Mounting System is applied for the installation of large-scale and utility-scale solar PV power plant. Main components are made of hot-dip galvanized steel, with good performance of structure strength, stability, and anti-corrosion. Compatible with varied solar modules. Unique piles and structure design save installation time and cost.



## Advantages

### Unique Pile Design

Unique post design suitable for varied soil conditions and strengthen the whole structure stability.

### Flexibility and Adjustability

The structure can be adjusted with some tolerance with east-west, west-south and south-north directions, assuring flexible on-site installation to achieve best yield for solar modules.

### Pre-assembled Components Save Onsite Installation Time

Solution design case by case, most components pre-assembled in factory, no onsite cut and drill request, saving the onsite installation time and cost.

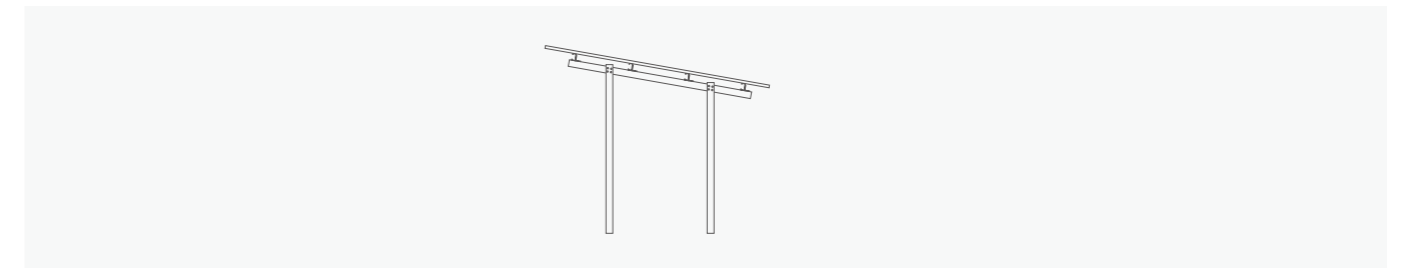
### Compatible to Varied Solar Modules

With module clamps, the system compatible with most kinds of framed 60-cell, 72-cell, half-cut cells modules and frameless modules.

## Technical Parameters

System Name	Ground	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Foundation	C-shape, I-shape, TT-shape Piles		International Building Code IBC 2009, California Building Code CBC 2010
Tilt Angle	0-60°	Material	Q235B(Hot-Dip Galvanized)
Wind Load	≤60m/s	Fastener	SUS304 & Hot Dip Galvanized
Snow Load	≤1.6KN/m <sup>2</sup>	Small Components	AL6005-T5(Anodized)
Ground Clearance	≤500mm~2000mm	Color	Silver or Customized
Applicable Solar Module	Framed or Frameless	Warranty	10-Year Warranty
Panel Layout	Portrait or Landscape		

## Structure



## Component Details



### Rail

Material :  
Steel Q235B  
(Hot-Dip Galvanized)



### Beam Connector

Material :  
Steel Q235B  
(Hot-Dip Galvanized)



### C-shape Pile

Material :  
Steel Q235B  
(Hot-Dip Galvanized)



### Pile

Material :  
Steel Q235B  
(Hot-Dip Galvanized)



### Inter Clamp Kit

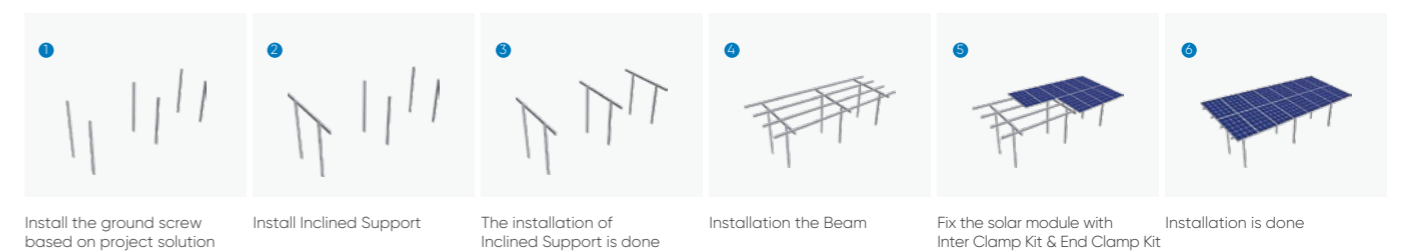
Components :  
Inter Clamp  
Spring Washer M8  
Hexagon Socket Bolt



### End Clamp Kit

Components :  
End Clamp  
Spring Washer M8  
Hexagon Socket Bolt

## Installation Guide

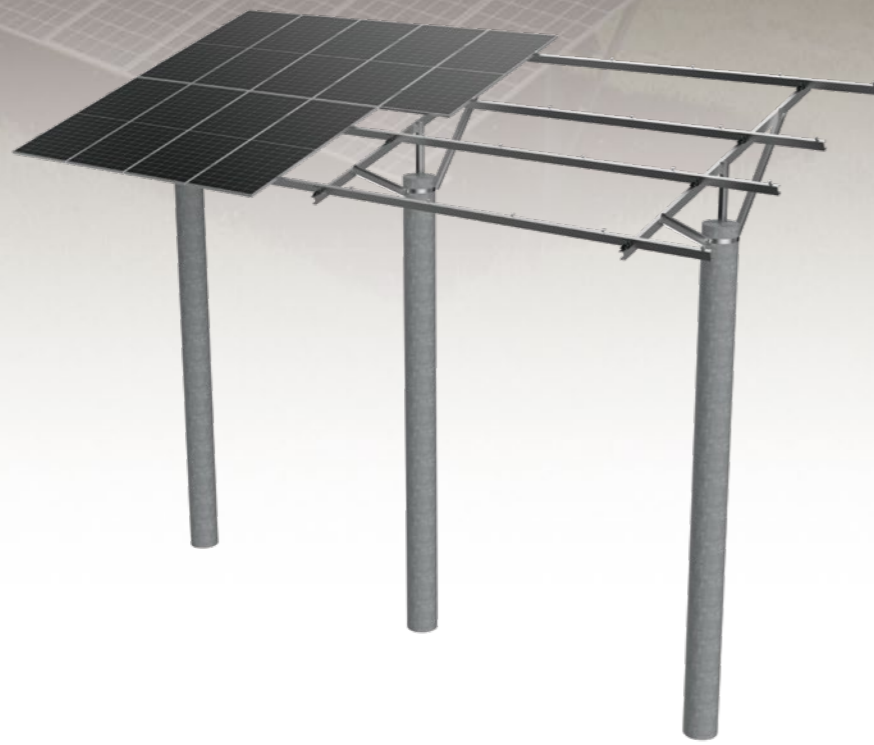


# GroundRack

# CONCRETE PILE HIGH ELEVATION MOUNTING SYSTEM

## Overview

Concrete Pile High Elevation Mounting System is applied to fish Pond, flood area and sandy land solar PV projects. Main components are made of hot-dip galvanized steel, with good performance of structure strength, stability and anti-corrosion, compatible with varied solar modules. Unique piles and structure design save installation time and cost.



## Advantages

### Pre-assembled Components Save Onsite Installation Time

Solution design case by case, most components pre-assembled in factory, no onsite cut and drill request, saving the onsite installation time and cost.

### Quick Modular Kit Fixation

Most of the components are designed as modular kit with anodized aluminum to further ensure easy and fast construction on site.

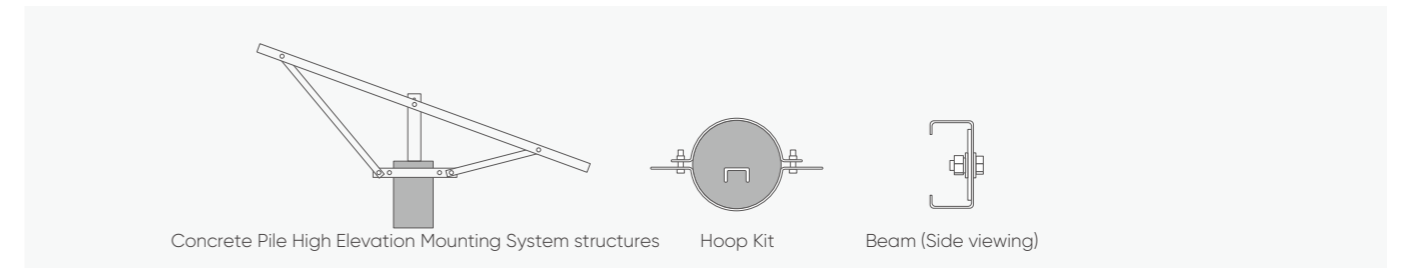
### Dual-Use of Land or Utilize Waste Land Improve the Economic Benefit

Install solar projects above the fishpond, achieving the dual-use of land to improve the economic benefit. This system can utilize waste land like flood area or sandy area to save land resources.







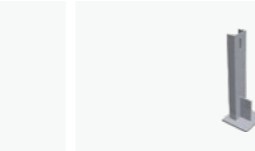
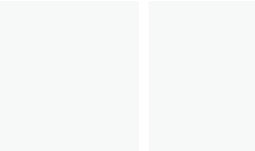

## Technical Parameters

Installation Site	Ponds, Reservoirs	Design Standard	AS/NZS 1170, DIN 1055, JIS C8955:2017, International Building Code IBC 2009, California Building Code CBC 2010;
Foundation	Pre-stressed Concrete Pile	Material	Q235B (Hot-Dip Galvanized) & AL6005-T5 (Anodized)
Tilt Angle	0-45°	Fastener	Q235B (Hot-Dip Galvanized) & Zinc-Nickel Alloy Electroplated Steel
Wind Load	60m/s	Small Components	AL6005-T5 (Anodized)
Snow Load	≤1.4KN/m <sup>2</sup>	Color	Silver or Customized
Ground Clearance	400-1200mm	Warranty	10-Year Warranty
Applicable Solar Module	Framed or Frameless		
Panel Layout	Portrait or Landscape		

## Structure



## Component Details

 <p><b>Beam</b> Hoop Spec : C100*50*15*2*L4500 Material : Q235B(Hot-Dip Galvanized)</p>	 <p><b>Side Beam</b> Hoop Spec : C10*50*15*2*L2800 Material : Q235B(Hot-Dip Galvanized)</p>	 <p><b>Front/Back Post</b> Specification : Front Support Back Support Components : Q235B(Hot-Dip Galvanized)</p>	 <p><b>Hoop Kit</b> Hoop Spec : 300*50*100 Components : Flat Washer M14 Spring Washer M14 Hexagon Socket Head Bolt M12*65</p>	 <p><b>End Clamp Kit</b> Components : End clamp Cross Module Spring Washer M8 Hexagon Socket Bolt</p>
 <p><b>Inter Clamp Kit</b> Components : End clamp Cross Module Spring Washer M8 Hexagon Socket Bolt</p>	 <p><b>Post</b> Hoop Spec : C100*50*15*2*L557 Components : Flat Washer M16 Spring Washer M16 Hexagon Socket Head Bolt Nut M16 Hexagon Socket Head Bolt M16*50</p>	 <p><b>Small Connector</b> Hoop Spec : 80*40*5*40 Components : Flat Washer M12 Spring Washer M12 Hexagon Socket Head Bolt Nut M12 Hexagon Socket Head Bolt M12*30</p>	 <p><b>Big Connector</b> Hoop Spec : 80*40*5*100 Components : Flat Washer M12 Spring Washer M12 Hexagon Socket Head Bolt Nut M12 Hexagon Socket Head Bolt M12*30</p>	

## INSTALLATION GUIDE

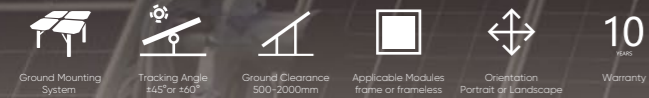


SunTracker

# SMART TRACKING SOLAR PV SYSTEM

## Overview

Smart Tracking Solar PV System is mainly applied to large-scale solar plant with its most affordable, efficient and sustainable solutions. System combining with single row, 1 controller per tracker, multipoint parallel drive with backtracking mode, having strong wind-resistance capability. Comparing to fixed mounting system, SunRack Smart Single-axis Tracker is first option for LSS, could increase nearly 20% power generation under same conditions.



## Advantages

- Debugging by automatic tracking
- Easy to install, lower O&M costs
- Strong adaptability of terrain up to 25% N-S slope
- Profitability and reliability for different conditions
- Multipoint parallel drive, strong wind-resistance capability

## Technical Parameters

GPS Module	Automatically obtain latitude and longitude and precise time Compatible with GPS + Beidou satellite positioning system	Design Support	Support Wind Protection Snow Removal Mode Rain Cleaning Mode Position Return Mode
Installation Capacity	Maximum 90 solar modules per row	Drive Method	Slewing Speed Reducer
Tracking Angle	±60°	Structure Material	Hot-dip Galvanized + POSMAC Steel
Wind Resistance	47m/s design standard ASCE7-10, <18m/s (shelter from wind)	Control System	Micro Controller Unit
Tracking Algorithm	Astronomical Algorithms +Tilt Sensors	Protection Level	IP65
Drive Device	Slewing Drive, 24V DC motor	System Warranty	10 Years
Power Supply	Self-powered/External Connection	System Daily Power Consumption	≤0.1Kwh
Communication Method	LoRa wireless communication or 485 bus (Modbus protocol)		

## Structure



## Component Details

<b>Post</b> Material : Q235B/Q355B (Hot-Dip Galvanized)	<b>Controller</b> Material : Q235B (Hot-Dip Galvanized)	<b>Motor</b> Spec : 7-9 inches	<b>Putter Spindle Fastener</b> Material : Q235B (Hot-Dip Galvanized)	<b>Bearing base</b> Material : Q235B (Hot-Dip Galvanized)	<b>Putter</b> Customized according to actual needs	<b>Tilt Sensor</b> Material : Q235B (Hot-Dip Galvanized)
<b>Angle Steel</b> Material : Q235B/Q355B (Hot-Dip Galvanized)	<b>Motor Base</b> Material : Q235B/Q355B (Hot-Dip Galvanized)	<b>Putter Post Fastener</b> Material : Q235B (Hot-Dip Galvanized)	<b>Bearing Sleeve</b> Material : Q235B (Hot-Dip Galvanized)	<b>U-shaped support</b> Material : Zn-Al-Mg Coating Steel Q355B (Hot-Dip Galvanized)	<b>U-shaped Rail</b> Material : Zn-Al-Mg Coating Steel Q355B (Hot-Dip Galvanized)	<b>Spindle</b> Spec : 120*120, 140*140 Material : Q355B(Hot-Dip Galvanized)

## Installation Guide

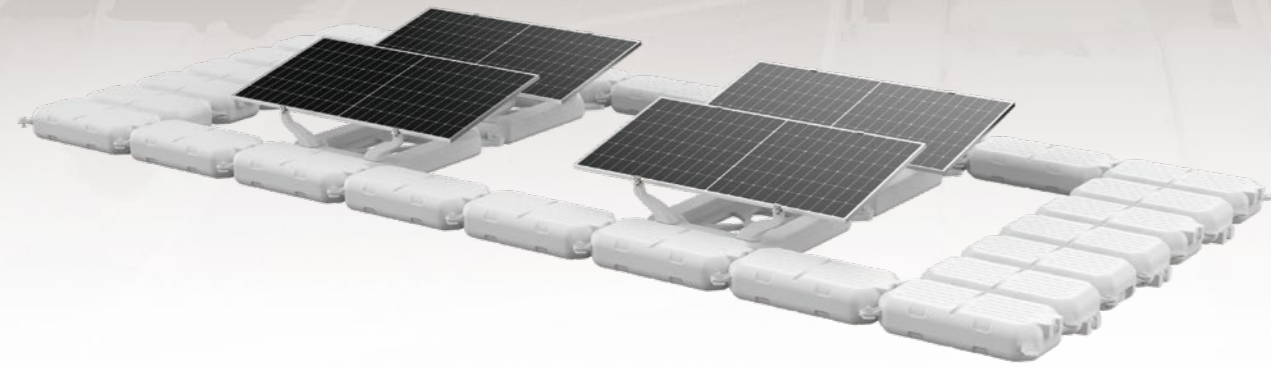

# Sunfloater

# FLOATING PV MOUNTING SYSTEM

## Overview

Floating PV Mounting System is applied to solar pv power plant installation on the water. Adopting HDPE material, it has passed the Hunt Water Absorption Test, Anti-Aging Test, Anti-UV Test etc. Moreover, it can bear the pulling force that is much higher than other products. Adopting new module design in floater and main floater, it can realize the array of double row in the same facing or in symmetrical facing, which can increase the efficiency of solar power generation and installation capacity, be easily installed, and save the cost. and its lifetime has more than 25 years.

-   
Applicable on water surface
-   
Tilt Angle: 5°/10°/15°
-   
Clearance above water: >300mm
-   
Applicable modules: frame or frameless
-   
Orientation: landscape
-   
Warranty: 10 years



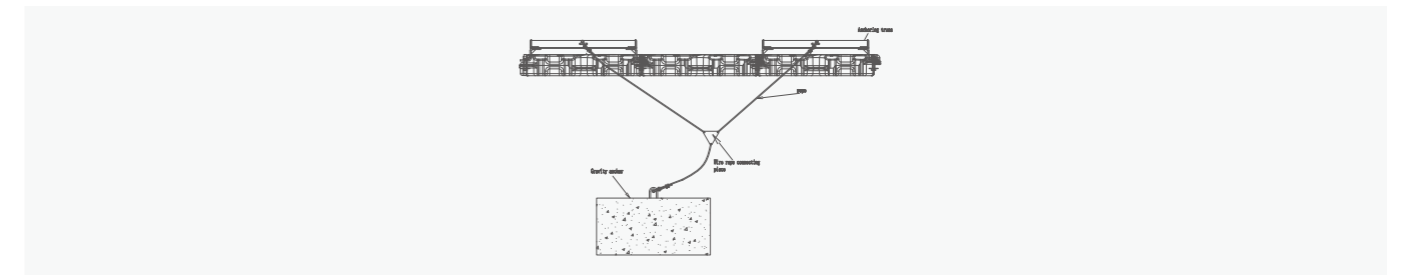
## Advantages

- Modular design, simple and convenient splice installation;
- The floater is made of high density polyethylene, which ensures its long service time;
- Various array design, easier to combine;
- Compatible with various solar module, save the cost;
- Increase the volume of floater to add the buoyant force of floater;
- Realize symmetrical facing array, increase the installation capacity, maximize the efficiency of power generation;
- Strong weather ability, easy to operation and maintenance.



## Technical Parameters

System Name	Floating PV Mounting System G4N	Design Standard	Euro Code/EN1991/1993/1994, BS 6399, ASCE 7-10
Installation Site	Lake, Reservoir		International Building Code IBC 2009, California Building Code CBC 2010
Tilt Angle	5°/10°/15°	Material	HDPE
Wind Load	≤42m/s	Fastener	Zinc-Nickle Alloy & HDPE&Q235B
Snow Load	≤1KN/m <sup>2</sup>	Small Components	AL6005-T5 (Anodized)
Water Surface Clearance	>300mm	Color	Gray or Customized
Applicable Solar Module	Frame or Frameless	Bearing Weight	Module Floater 70KG/m <sup>2</sup> ;Walkway Floater 155KG/m <sup>2</sup>
Panel Orientation	Landscape, Double Row		









## Structure



## Component Details

			
<b>Portrait Walkway Floater</b> Material: HDPE	<b>Short Horizontal Walkway Floater</b> Material: HDPE	<b>Long Horizontal Walkway Floater</b> Material: HDPE	<b>Module Floater</b> Material: HDPE
			
<b>Support</b> Material: HDPE	<b>Plastic Bolts and Nuts</b> Material: HDPE	<b>Module Clamp</b> Material: AL6005-T5 (Anodized)	<b>End Clamp Kit</b> Material: AL6005-T5 (Anodized) SUS304

## Installation Guide

 1 Module Floater	 2 Install Support	 3 Install Module Clamp	 4 Install Module
 5 Connect the Module Floater with Walkway Floater	 6 Connect the Floaters with Plastic Bolts and Nuts	 7 Finish the installation of floaters	 8 Installation is done